

Panasonic

Hybrid IP-PBX

User Manual

Model **KX-TDA30/KX-TDA100/KX-TDA200**



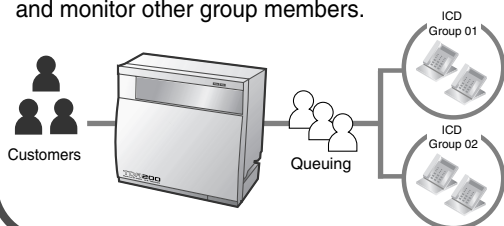
Thank you for purchasing a Panasonic Hybrid IP-PBX.
Please read this manual carefully before using this product and save this manual for future use.

KX-TDA30/KX-TDA100/KX-TDA200: Version 2.0

Feature Highlights

Call Centre

This PBX can establish Incoming Call Distribution Groups (ICD Group) by which a large volume of calls from the external customers could be received. One extension can act as the supervisor, and monitor other group members.



1.8 Utilising the Call Centre (Page 111)

Voice Mail Integration

You can forward your calls to a voice processing system and let calling parties leave messages in your mailbox when you are unable to receive calls.



1.9.5 If a Voice Processing System is Connected (Page 123)

Wireless System

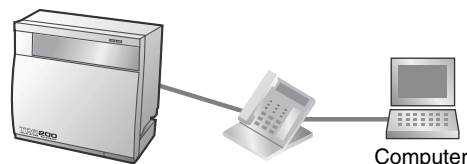
This PBX optionally supports a Portable Station (PS) system. PSs can be used on the PBX with other wired telephones.



Appendix (Page 187)

PC Phone/PC Console

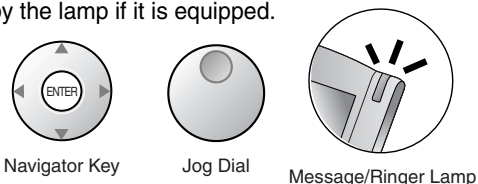
This PBX supports the PC Phone/PC Console when your computer is connected to certain Panasonic telephones via USB interface. The PC Phone/PC Console provides advanced control and monitoring of your PBX.



Consult your dealer

Easy Operation

If you are using a certain Panasonic telephone that is equipped with a Navigator Key/Jog Dial and a display, it helps you to access the desired feature easily. Also, you will be informed of the arrival of an incoming call or a message waiting by the lamp if it is equipped.



1.1 Before Operating the Telephones (Page 12)

Call Record (Station Message Detail Recording)

This PBX can record or print out call information: date, time, extension no., dialled no., duration, etc.

Date	Time	Ext
01/02/02	10:03AM	1230
01/02/02	11:07AM	2230

Consult your dealer

In This Manual,

- Proprietary Telephone is abbreviated as "PT".
Single Line Telephone is abbreviated as "SLT".
Portable Station is abbreviated as "PS".
Proprietary Telephone with a Display is abbreviated as "Display PT".
Digital Proprietary Telephone is abbreviated as "DPT".
- The suffix of each model number is omitted.
- The illustrations of the PBX are based on the KX-TDA200.
- The following icons are used frequently.



Hints



Conditions

Notice

Product specifications are subject to change without notice.

Important Information

WARNING

- **THIS UNIT MAY ONLY BE INSTALLED AND SERVICED BY QUALIFIED SERVICE PERSONNEL.**
- **WHEN A FAILURE OCCURS WHICH EXPOSES ANY INTERNAL PARTS, DISCONNECT THE POWER SUPPLY CORD IMMEDIATELY AND RETURN THIS UNIT TO YOUR DEALER.**
- **DISCONNECT THE TELECOM CONNECTION BEFORE DISCONNECTING THE POWER CONNECTION PRIOR TO RELOCATING THE EQUIPMENT, AND RECONNECT THE POWER FIRST.**
- **THIS UNIT IS EQUIPPED WITH AN EARTHING CONTACT PLUG. FOR SAFETY REASONS THIS PLUG MUST ONLY BE CONNECTED TO AN EARTHING CONTACT SOCKET WHICH HAS BEEN INSTALLED ACCORDING TO REGULATIONS.**
- **THE POWER SUPPLY CORD IS USED AS THE MAIN DISCONNECT DEVICE. ENSURE THAT THE SOCKET-OUTLET IS LOCATED/INSTALLED NEAR THE EQUIPMENT AND IS EASILY ACCESSIBLE.**
- **TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.**
- **TO PROTECT THIS UNIT FROM STATIC ELECTRICITY, DO NOT TOUCH ANY CONNECTORS OF THE UNIT.**

Safety Instructions

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

1. Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
2. Avoid using a telephone (other than a cordless type) during an electric storm. There may be a remote risk of electric shock from lightning.
3. Do not use the telephone to report a gas leak in the vicinity of the leak.
4. Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

SAVE THESE INSTRUCTIONS



The KX-TDA30E, the KX-TDA30NE, the KX-TDA30GR, and the KX-TDA30CE are designed to interwork with the:

- Analogue Public Switched Telephone Network (PSTN) of European countries
- Pan-European Integrated Services Digital Network (ISDN) using ISDN basic rate access

The KX-TDA100E/KX-TDA200E, the KX-TDA100NE/KX-TDA200NE, the KX-TDA100GR/KX-TDA200GR, and the KX-TDA100CE/KX-TDA200CE are designed to interwork with the:

- Analogue Public Switched Telephone Network (PSTN) of European countries
- Pan-European Integrated Services Digital Network (ISDN) using ISDN basic rate access
- Pan-European Integrated Services Digital Network (ISDN) using ISDN primary rate access
- ONP 2048 kbit/s digital structured leased lines (D2048S)

We, Panasonic Communications Co., Ltd. /Panasonic Communications Company (U.K.) Ltd., declare that this equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

If you would like to receive a copy of the original Declaration of Conformity of our products which relates to the R&TTE, please visit our web address:

<http://doc.panasonic.de>

Attention

- If there is any trouble, disconnect the unit from the telephone line. Plug the telephone directly into the telephone line. If the telephone operates properly, do not reconnect the unit to the line until the problem has been repaired by a certified Panasonic dealer. If the telephone does not operate properly, chances are that the problem is in the telephone system, and not in the unit.
- Keep the unit away from heating appliances and electrical noise generating devices such as fluorescent lamps, motors and televisions. These noise sources can interfere with the performance of the unit.
- This unit should be kept free of dust, moisture, high temperature (more than 40 °C) and vibration, and should not be exposed to direct sunlight.
- Never attempt to insert wires, pins, etc. into the vents or holes of this unit.
- Do not use benzene, thinner, or the like, or any abrasive powder to clean the cabinet. Wipe it with a soft cloth.
- Do not use any handset other than a Panasonic handset for KX-TDA30/KX-TDA100/KX-TDA200 use.

The serial number of this product may be found on the label affixed to the side of the unit. You should note the model number and the serial number of this unit in the space provided and retain this manual as a permanent record of your purchase to aid in identification in the event of theft.

MODEL NO.:

SERIAL NO.:

For your future reference

DATE OF PURCHASE

NAME OF DEALER

DEALER'S ADDRESS

DEALER'S TELEPHONE NO.

Table of Contents

1	Operation	11
1.1	Before Operating the Telephones	12
1.1.1	Before Operating the Telephones.....	12
1.2	Making Calls	23
1.2.1	Basic Calling.....	23
1.2.2	Easy Dialling.....	28
1.2.3	Redial	32
1.2.4	When the Dialed Line is Busy or There is No Answer	33
1.2.5	Accessing the ISDN Service (ISDN Service Access).....	41
1.2.6	Alternating the Calling Method (Alternate Calling—Ring/Voice).....	42
1.2.7	Calling without Restrictions	43
1.2.8	To Access Another Party Directly from Outside (Direct Inward System Access [DISA]) ..	44
1.2.9	Setting Your Telephone from Another Extension or through DISA (Remote Setting)	47
1.3	Receiving Calls	48
1.3.1	Answering Calls.....	48
1.3.2	Answering Hands-free (Hands-free Answerback)	49
1.3.3	Answering a Call Ringing at Another Telephone (Call Pickup)	50
1.3.4	Answering a Call via an External Speaker (Trunk Answer From Any Station [TAFAS])	51
1.3.5	Using the ANSWER/RELEASE Button	52
1.3.6	Identifying Malicious Calling Parties (Malicious Call Identification [MCID])	54
1.4	During a Conversation	55
1.4.1	Transferring a Call (Call Transfer)	55
1.4.2	Holding a Call	59
1.4.3	Talking to Two Parties Alternately (Call Splitting)	63
1.4.4	Answering Call Waiting.....	65
1.4.5	Multiple Party Conversation.....	69
1.4.6	Mute	77
1.4.7	Letting Other People Listen to the Conversation (Off-hook Monitor)	78
1.4.8	Using the Headset (Headset Operation)	79
1.5	Before Leaving Your Desk	81
1.5.1	Forwarding Calls.....	81
1.5.2	Showing a Message on the Caller's Telephone Display (Absent Message).....	87
1.5.3	Preventing Other People from Using Your Telephone (Extension Lock).....	89
1.6	Making/Answering an Announcement	90
1.6.1	Paging	90
1.6.2	Answering/Denying a Paging Announcement	92
1.6.3	Making an Announcement and Having a Multiple Party Conversation (Broadcasting)	93
1.7	Setting the Telephone According to Your Needs	96
1.7.1	Setting the Alarm (Timed Reminder)	96
1.7.2	Refusing Incoming Calls (Do Not Disturb [DND])	98
1.7.3	Receiving Call Waiting (Call Waiting/Off-hook Call Announcement [OHCA]/Whisper OHCA).....	100
1.7.4	Displaying Your Telephone Number on the Called Party and Caller's Telephone (Calling/ Connected Line Identification Presentation [CLIP/COLP])	101
1.7.5	Preventing Your Telephone Number Being Displayed on the Caller's Telephone (Connected Line Identification Restriction [COLR])	102
1.7.6	Preventing Your Number Being Displayed on the Called Party's Telephone (Calling Line Identification Restriction [CLIR])	103

1.7.7	Preventing Other People from Joining Your Conversation (Executive Busy Override Deny).....	104
1.7.8	Turning on the Background Music (BGM)	105
1.7.9	Protecting Your Line against Notification Tones (Data Line Security)	106
1.7.10	Checking the Time Service Status	107
1.7.11	Setting the Paralleled Telephone to Ring (Paralleled Telephone).....	108
1.7.12	Using Your PS in Parallel with a Wired Telephone (Wireless XDP Parallel Mode).....	109
1.7.13	Clearing Features Set at Your Extension (Extension Feature Clear)	110
1.8	Utilising the Call Centre.....	111
1.8.1	Leaving an Incoming Call Distribution Group (Log-in/Log-out, Wrap-up)	111
1.8.2	Monitoring and Controlling the Call Status of an Incoming Call Distribution Group (Incoming Call Distribution Group Monitor)	114
1.8.3	Forwarding a Waiting Call (Manual Queue Redirection)	117
1.9	Using User-supplied Equipment.....	118
1.9.1	If a Doorphone/Door Opener is Connected	118
1.9.2	If an External Relay is Connected.....	120
1.9.3	If an External Sensor is Connected	121
1.9.4	If a Host PBX is Connected.....	122
1.9.5	If a Voice Processing System is Connected.....	123
1.10	After Moving to a New Location in the Office.....	129
1.10.1	Using the Same Settings as Your Previous Extension (Walking Extension)	129
1.11	Using a Display Proprietary Telephone	130
1.11.1	Using the Call Log.....	130
1.11.2	Using the Directories.....	134
1.11.3	Accessing System Features (System Feature Access)	140
2	Manager Operation.....	141
2.1	Control Features	142
2.1.1	Extension Control.....	142
2.1.2	Time Service Mode Control	143
2.1.3	Restriction Level Control (Dial Tone Transfer).....	145
2.1.4	Turning on the External Background Music (BGM)	146
2.1.5	Recording Outgoing Messages (OGM).....	147
2.1.6	Allowing Users to Seize an Unavailable Outside Line (Trunk Busy Out).....	150
2.1.7	Using the Telephones in a Hotel-type Environment (Hospitality Features)	151
2.1.8	Releasing Network Direct Station Selection (NDSS) Monitor	157
3	Customising Your Phone & System.....	159
3.1	Customising Your Phone (Personal Programming).....	160
3.1.1	Customising Your Phone (Personal Programming)	160
3.1.2	Settings on the Programming Mode.....	162
3.1.3	Customising the Buttons	172
3.2	Manager Programming	177
3.2.1	Programming Information.....	177
3.2.2	Manager Programming	178
3.3	Customising Your System (System Programming)	180
3.3.1	Programming Information.....	180
3.3.2	System Programming.....	183
4	Appendix	187
4.1	Troubleshooting	188
4.1.1	Troubleshooting.....	188

4.2	Feature Number Table	191
4.2.1	Feature Number Table.....	191
4.3	What is This Tone?	201
4.3.1	What is This Tone?	201
4.4	Revision History	205
4.4.1	KX-TDA100/KX-TDA200 Version 1.1	205
4.4.2	KX-TDA100/KX-TDA200 Version 2.0	206
4.4.3	KX-TDA30 Version 1.1	207
4.4.4	KX-TDA30 Version 2.0	208
Index		209



Section 1

Operation


*This chapter shows you step by step how to use each feature.
Read this chapter to become familiar with the many useful
features of this PBX.*

1.1 Before Operating the Telephones

1.1.1 Before Operating the Telephones

◆◆ What Kind of Telephone Can Be Used?

You can use a single line telephone (SLT), such as a rotary pulse telephone or a Panasonic proprietary telephone (PT) such as the KX-T7636 or KX-NT136. You can also use a Panasonic Portable Station (PS) such as the KX-TD7590 or KX-TD7690. Use the feature depending on the telephone you are using. If you

are using a Panasonic proprietary telephone with a special feature button such as  or a display (Display PT) or both, you can follow the operation with the button or display messages for easy programming.

If you use a large display telephone (e.g., KX-T7636), you can follow the displayed messages to use the features. If your telephone does not have feature buttons and/or a display, you may operate the PBX by entering a feature number instead. Follow the operation for your type of telephone.

If you use a Console, you can use the buttons on the Console as the buttons on the connected proprietary telephone.



- If you use a Panasonic proprietary telephone which does not have feature buttons, you may change one of the unused flexible buttons to a feature button. Refer to "3.1.3 Customising the Buttons".

Registration for Your Portable Station (PS)

You must register your PS in the PBX and determine its extension number before initial use. For PS registration, consult your dealer.


◆◆ Feature Numbers

To use certain features, you need to enter specified feature numbers (and an additional parameter, if required).

There are two types of feature numbers as follows:

- Flexible feature number
- Fixed feature number

Fixed feature numbers cannot be changed. However, you can change the flexible numbers to other numbers for easier use. If you want to change the numbers, consult your dealer. In this manual, the default numbers (factory installed) are used for operations.

A flexible number is shown as  (half-shaded key). Use the new programmed number if you have changed the feature number. Write the new number in "4.2.1 Feature Number Table" (Appendix).

Notice

The default value of a flexible feature number may vary depending on country/area. For more details, consult your dealer.



If you use a single line telephone which does not have the "*" or "#" keys; it is not possible to access features that have "*" or "#" in their feature numbers.

◆◆ **Tone**

You will hear various tones, during or after an operation, for confirmation. Refer to "4.3.1 What is This Tone?" (Appendix).

◆◆ **Display**

In this manual, you will see "the display ...". This refers to the display of a Panasonic proprietary telephone. If your telephone is not a Panasonic display proprietary telephone, the message will not be displayed. If you use a Panasonic display proprietary telephone, the display helps you confirm the settings. Some proprietary telephones also give you easy access to features. A message is displayed depending on the feature. By pressing the corresponding button on the side or at the bottom of the display, or pressing the Navigator Key, you can access the desired feature. Furthermore, depending on the display proprietary telephone, you can operate features or make calls using the display message. Refer to "1.11 Using a Display Proprietary Telephone".

Notice

In this manual, the display messages are described in English.

Your Extension Number

If you use a Panasonic display proprietary telephone, you can check your own extension number on the display. Press the TRANSFER button or Soft (S1) button while on-hook.

◆◆ **Using a Navigator Key/Jog Dial/Volume Key**

The Navigator Key can be used for the display contrast and the volume control or you can search for desired items on the display. Press the Navigator Key/Volume Key or rotate the Jog Dial in the desired direction. The contrast or the volume level and the items will change as follows:

Navigator Key	Jog Dial	Volume Key
<p>Up (Level increases)</p> <p>Left Right</p> <p>ENTER</p> <p>Down (Level decreases)</p>	<p>Left (anti-clockwise)</p> <p>Level decreases</p> <p>Right (clockwise)</p> <p>Level increases</p>	<p>Up (Level increases)</p> <p>Down (Level decreases)</p>

Examples

The displays and the illustrations shown as examples are from a telephone connected to the KX-TDA200.

Restrictions

Some features may be restricted at your extension under system programming. Consult your manager or dealer.

Icon Descriptions
















The following icons show you the feature availability, notes and action to use the features.

	This feature cannot be used with a single line telephone.		Seize an outside line (One of the following). <ul style="list-style-type: none"> Press the CO button. Dial automatic line access number 0 or 9. Dial outside line group access number and outside line group number.
	See "Programming" for Related Programming if necessary.		
	Off-hook (One of the following). <ul style="list-style-type: none"> Lift the handset. Press the SP-PHONE button. Press the MONITOR button. (To start talking, lift the handset.) Press TALK button. 		Press the Call button on the Doorphone.
	On-hook (One of the following). <ul style="list-style-type: none"> Hang up. Press the SP-PHONE button. Press the MONITOR button. Press CANCEL button. 		Press the hookswitch lightly.
	Press the corresponding feature button on the proprietary telephone.		Talk.
	Enter the required number. <Example> Enter the account code.		You will hear a busy, confirmation, dial, ring or ringback tone. <ul style="list-style-type: none"> B. Tone: Busy Tone C. Tone: Confirmation Tone D. Tone: Dial Tone R. Tone: Ring Tone R. B. Tone: Ringback Tone
	Dial an extension number.		Dial outside phone number.
	Dial the telephone number.		


















◆◆ When You Use a Panasonic Proprietary Telephone
















If you use a Panasonic proprietary telephone and the Console, they may have some of the useful feature buttons described below. For a PS user, refer to "Operating Instructions" for PS. These buttons make operations simple. The illustrations may differ from the buttons on your telephone.

Fixed Buttons















	<p>CO: Used to make or receive an outside call. (Button assignment is required.) Also used as feature buttons. (Button assignment is required.) (Only the outside line "number" [e.g., 1, 2] may be shown on some telephones.)</p>	   	<p>SP-PHONE: Used for hands-free operation.</p>
   	<p>AUTO DIAL/STORE: Used for System/Personal Speed Dialling or storing programme changes.</p>	 	<p>PAUSE: Used to insert a pause when storing a telephone number. This button also functions as the PROGRAM button when there is no PROGRAM button on your telephone.</p>
 	<p>REDIAL: Used to redial the last dialled number.</p>	 	<p>MESSAGE: Used to leave a message waiting indication or call back the party who left the message waiting indication.</p>

1.1 Before Operating the Telephones

   	<p>INTERCOM: Used to make or receive intercom calls.</p>		<p>Soft Buttons: Used to select the item displayed on the bottom of the display.</p>
 	<p>MONITOR: Used for hands-free dialling. You can monitor the party's voice in hands-free mode.</p>	   	<p>AUTO ANS (Auto Answer)/MUTE: Used to receive an incoming call in hands-free mode or mute the microphone during a conversation.</p>
   	<p>TRANSFER: Used to transfer a call to another party.</p>	 	<p>HOLD: Used to place a call on hold.</p>

 	FLASH/RECALL: Used to disconnect the current call and make another call without hanging up. This button also functions as a CANCEL button while on-hook.	 	CONF (Conference): Used to establish a multiple party conversation.
 	VOICE CALL/MUTE: Used to monitor an intercom call automatically, but it cannot be used for hands-free conversations. It also mutes the handset microphone during a conversation.	 	Call Forwarding (FWD)/Do Not Disturb (DND): Used to perform Call Forwarding (FWD) or Do Not Disturb (DND).
    	PROGRAM: Used to enter and exit the Programming mode.	 	ANSWER: Used to answer an incoming call.

1.1 Before Operating the Telephones

 	RELEASE: Used to disconnect the line.	     	Navigator Key/Jog Dial/Volume Key: Used to adjust the volume and the display contrast or select desired items.
	Programmable Feature (PF): <i>Located on the upper part of the CO button array or on the DSS Console.</i> Assigns the desired button and used to access the stored feature. Mostly used as a One-touch Dialling button. (Only the "F and number" may be shown on some telephones.)		MODE: Used to shift the display to access various features.
	SELECT: Used to select the displayed item or to call the displayed phone number.		SHIFT: Used to access the second level of Soft button features.
	ENTER: Used to confirm the selected item.		CANCEL: Used to cancel the selected item.

Customised Buttons

If the term is in parentheses like (Account) in this section, it means a flexible button has been made into an "Account" button. To customise, refer to "3.1.3 Customising the Buttons".

Buttons	Feature
Loop-CO (L-CO)	Used to access an idle outside line for making outside calls. Incoming outside calls from any outside line arrive at this button.
Group-CO (G-CO)	Used to access an idle outside line in a specified outside line group for making outside calls. Incoming calls from outside lines in the assigned outside line group arrive at this button.

Buttons	Feature
Single-CO (S-CO)	Used to access a specified outside line for making or receiving outside calls.
Direct Station Selection (DSS)	Used to access an extension with one touch. It is also possible to be changed to the other feature button.
One-touch Dialling	Used to access a desired party or system feature with one touch.
Incoming Call Distribution Group (ICD Group)	Used to access a specified incoming call distribution group for making or receiving calls.
Message	Used to leave a message waiting indication or call back the party who left the message waiting indication.
Message for another extension	Used to have a Message button for another extension.
Call Forwarding (FWD)/Do Not Disturb (DND)—Both calls	Used to forward all calls to a specified destination or refuse.
FWD/DND—Outside calls	Used to forward outside calls to a specified destination or refuse.
FWD/DND—Intercom calls	Used to forward intercom calls to a specified destination or refuse.
Group FWD—Both calls	Used to forward all the calls to your group to a specified destination.
Group FWD—Outside calls	Used to forward the outside calls to your group to a specified destination.
Group FWD—Intercom calls	Used to forward the intercom calls to your group to a specified destination.
Account	Used to enter an account code.
Conference	Used to establish a multiple party conversation.
Terminate	Used to disconnect the current call and make another call without hanging up.
External Feature Access (EFA)	Used to access special features offered by a host PBX or a telephone company.
Charge Reference	Used to check the total call charge for your own extension.
Call Park	Used to park or retrieve a call in a preset parking zone.
Call Park (Automatic Park Zone)	Used to park a call in an idle parking zone automatically.
Call Log	Used to show the incoming call information.
Call Log for ICD Group	Used to have a Call Log button for incoming call distribution group.
Log-in/Log-out	Used to switch between the log-in and log-out mode.
Log-in/Log-out of a specified group	Used to have a Log-in/Log-out button for another incoming call distribution group.
Log-in/Log-out for all groups	Used to have a Log-in/Log-out button for all groups.
Hurry-up	Used to transfer the longest waiting call in the queue of an incoming call distribution group to the overflow destination.
Wrap-up	Used to switch the wrap-up status, Ready and Not Ready mode.
System Alarm	Used to confirm a PBX error. For more details, consult your dealer.
Time Service (Day/Night/Lunch/Break)	Used to switch the time service mode.

1.1 Before Operating the Telephones

Buttons	Feature
Answer	Used to answer an incoming call.
Release	Used to disconnect the line during or after a conversation or to complete a Call Transfer.
Toll Restriction/Call Barring	Used to change the toll restriction/call barring level of other extension users temporarily.
ISDN Service	Used to access an ISDN service.
Calling Line Identification Restriction (CLIR)	Used to switch between the CLIP and CLIR services.
Connected Line Identification Restriction (COLR)	Used to switch between the COLP and COLR services.
ISDN-Hold	Used to transfer a call using telephone company.
Headset	Used to talk using the headset.
Time Service Switching Mode (Automatic/Manual)	Used to switch the time service mode, Automatic or Manual.
Two-way Record	Used to record a conversation into your own mailbox.
Two-way Transfer	Used to record a conversation into the mailbox of a specific extension.
One-touch Two-way Transfer	Used to record a conversation into the mailbox of a specific extension with one touch.
Live Call Screening (LCS)	Used to monitor your own voice mailbox while an incoming caller is leaving a message and, if desired, intercept the call.
Voice Mail Transfer	Used to transfer a call to the mailbox of a specified extension.
Network Direct Station Selection (NDSS)	Used to access an extension connected to other PBXs in the network with one touch.
CTI	Used to access CTI features. For more details, consult your dealer.
Check-in	Used to switch the room status of extensions from Check-out to Check-in.
Check-out	Used to switch the room status of extensions from Check-in to Check-out.


◆◆ **How to Follow the Steps**

An example of system operation is shown below.

◆◆ **Calling Another Extension**

To call an extension (Intercom Call)

PT/SLT/PS


Off-hook.


▶

extension no.

OR

(DSS)


▶


Talk.

Feature title


Operation steps

The description of the icons are explained on "Icon Descriptions".

 • The DSS button light shows the current status as follows:


- Off:** The extension is idle.
- Red on:** Your or another extension is using the line.

Conditions

 • To call using a directory, refer to "1.11.2 Using the Directories".

• **For quick operation**
If you are an operator or dial some extensions frequently, DSS buttons are useful.

Hints

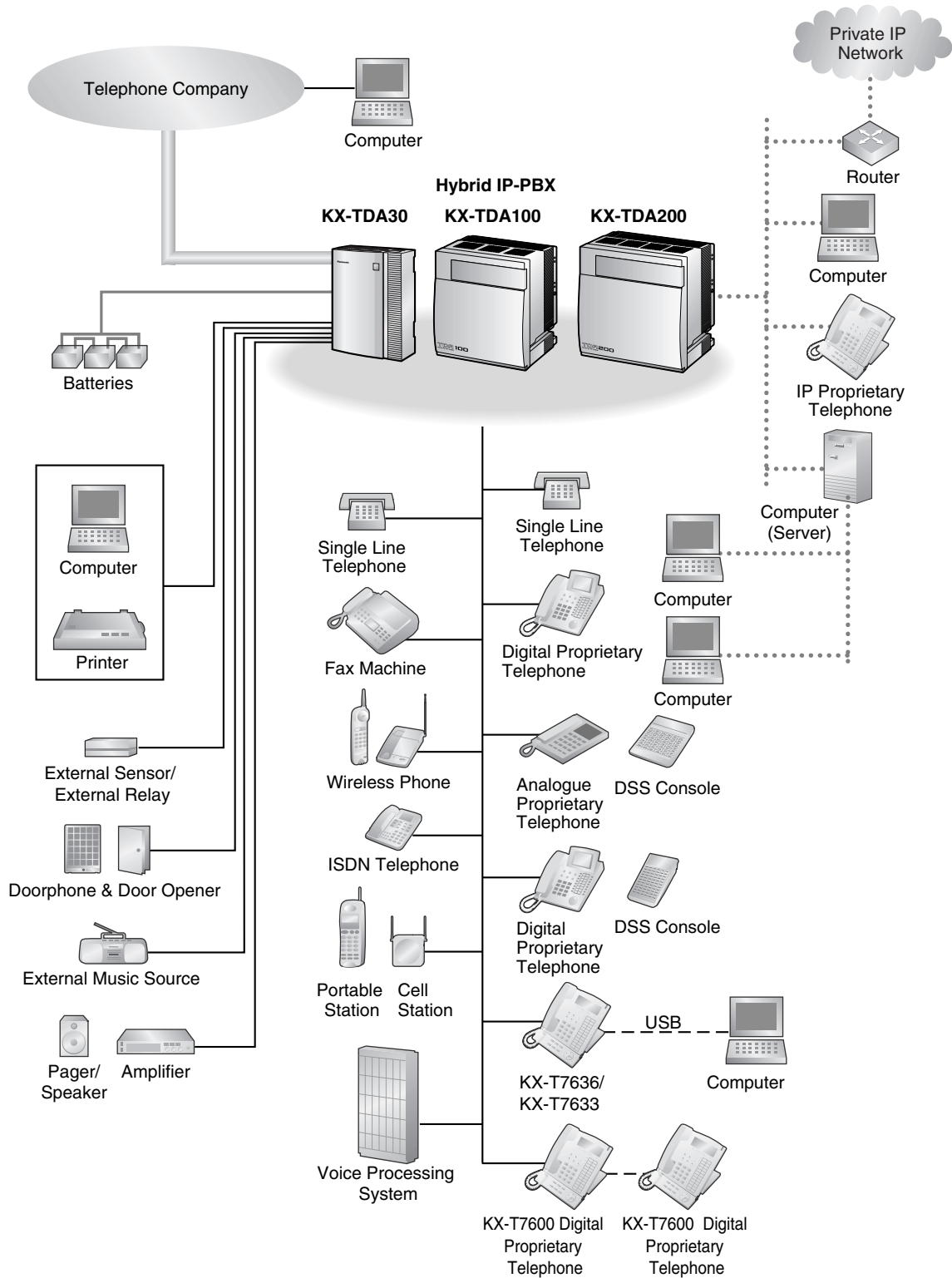
 **Customising Your Phone**

- 3.1.3 Customising the Buttons
Create or edit a Direct Station Selection (DSS) button.

Programming References: The related or required programming is noted.

◆◆ Connection Example

This diagram shows you a connection example.



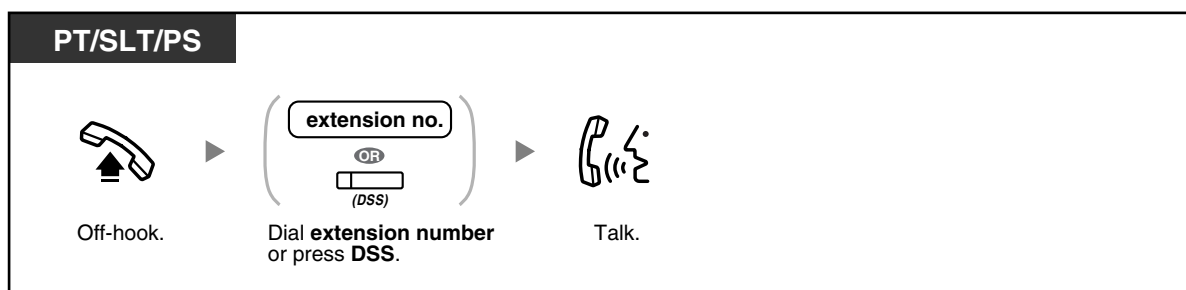
1.2 Making Calls

1.2.1 Basic Calling

- Calling Another Extension
- Calling an Outside Party
- Making a Call to a Private Network (TIE Line Access)
- Using an Account Code (Account Code Entry)

◆◆ Calling Another Extension

To call an extension (Intercom Call)



- The DSS button light shows the current status as follows:

Off: The extension is idle.

Red on: Your or another extension is using the line.



- To call using a directory, refer to "1.11.2 Using the Directories".
- **For quick operation**
If you are an operator or dial some extensions frequently, DSS buttons are useful.

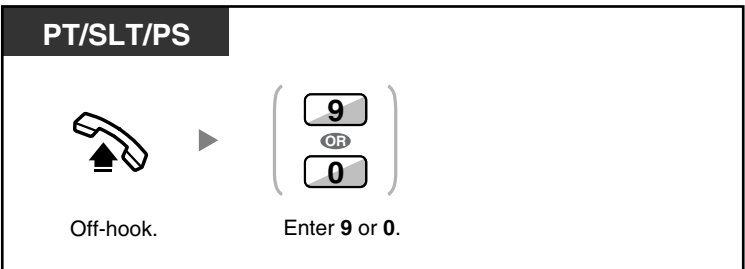


Customising Your Phone

- 3.1.3 Customising the Buttons
Create or edit a Direct Station Selection (DSS) button.

To call an operator (Operator Call)

You can call an extension or a group assigned as the operator.



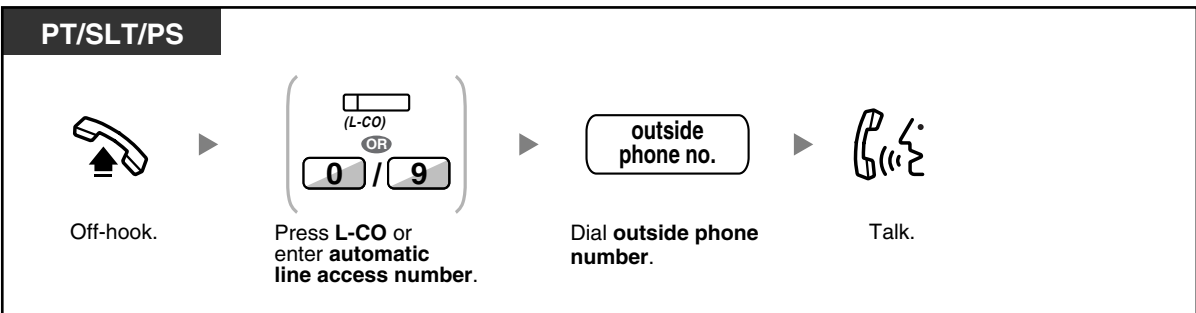
- The operator call number (default) varies depending on country/area. For more details, consult your dealer.

◆◆ Calling an Outside Party

You have to seize an outside line before dialling an outside phone number because external calls are made via your PBX.

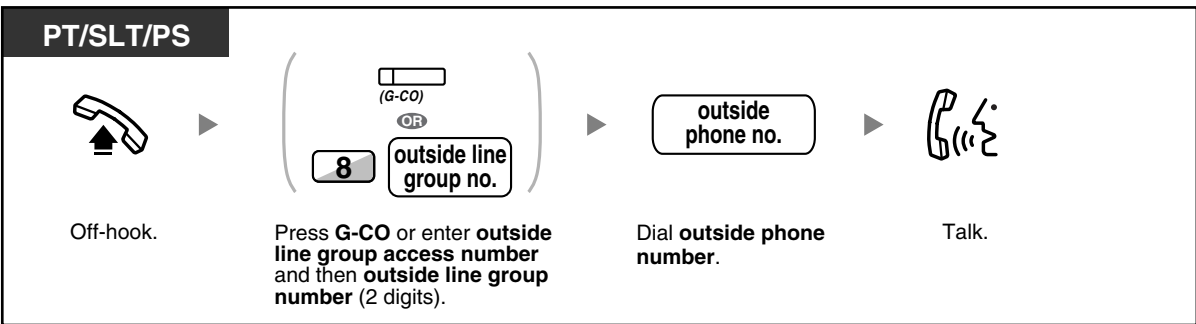
Select one of the following methods:

To select an idle outside line automatically (Automatic Line Access)

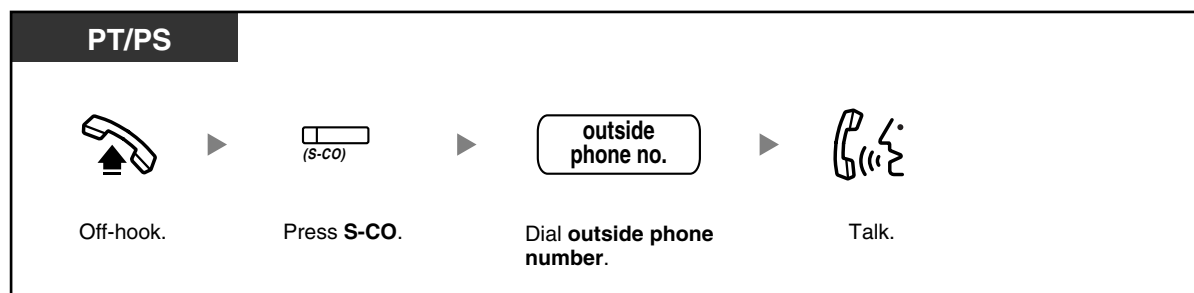


- The automatic line access number (default) varies depending on country/area. For more details, consult your dealer.

To select an idle outside line in the specified outside line group automatically (Outside Line Group Access)



To select the specified outside line



- Each of the S-CO button or G-CO button light shows the current status as follows:
Off: The line is idle.
Red on: The line is in use.
- You may be restricted from making a call to the specified outside party. To make a call, refer to "1.2.7 Calling without Restrictions".



- To confirm number before dialling**, you can enter a phone number and confirm it on the display and then go off-hook. (Predialling)
- Call Charge Reference**
You can confirm your total call charges by pressing the Charge Reference button.
- To make a call to another party without going on-hook**, press the FLASH/RECALL button. It will re-access the outside line and provide external dial tone. Pressing the Terminate button will provide intercom dial tone. You can dial the new phone number without going on/off-hook.



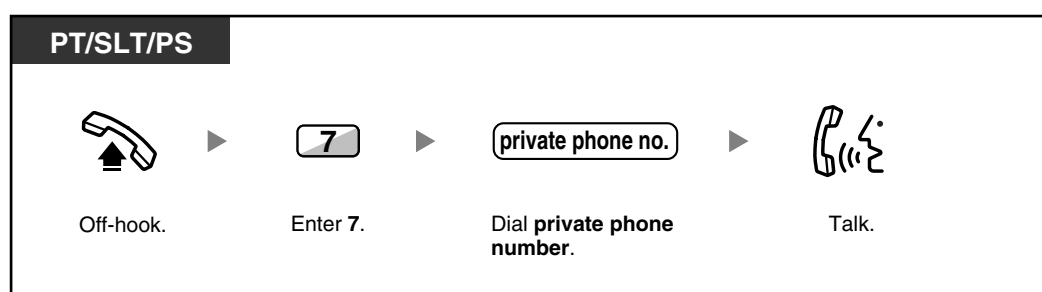
Customising Your Phone

- 3.1.2 Settings on the Programming Mode—**Preferred Line Assignment—Outgoing**
Select the seized line when going off-hook.
- 3.1.3 Customising the Buttons
Create or edit a Loop-CO (L-CO) button, a Group-CO (G-CO) button, a Single-CO (S-CO) button, a Terminate button or a Charge Reference button.

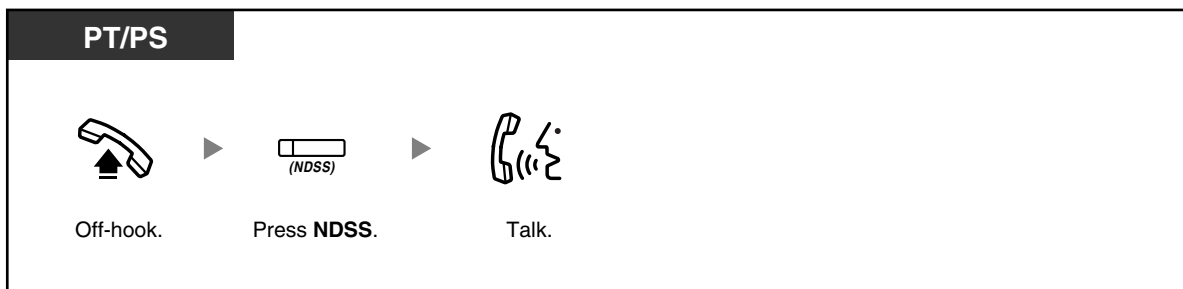
◆◆ Making a Call to a Private Network (TIE Line Access)

You can access extensions connected to other PBXs in a private network.

To call



To call with one touch



- **To start monitoring another PBX extension after customising an NDSS button**, go off-hook, press the NDSS button, and go on-hook. The NDSS button light will show the current status as follows:
Off: The extension is idle.
Red on: The extension is busy.

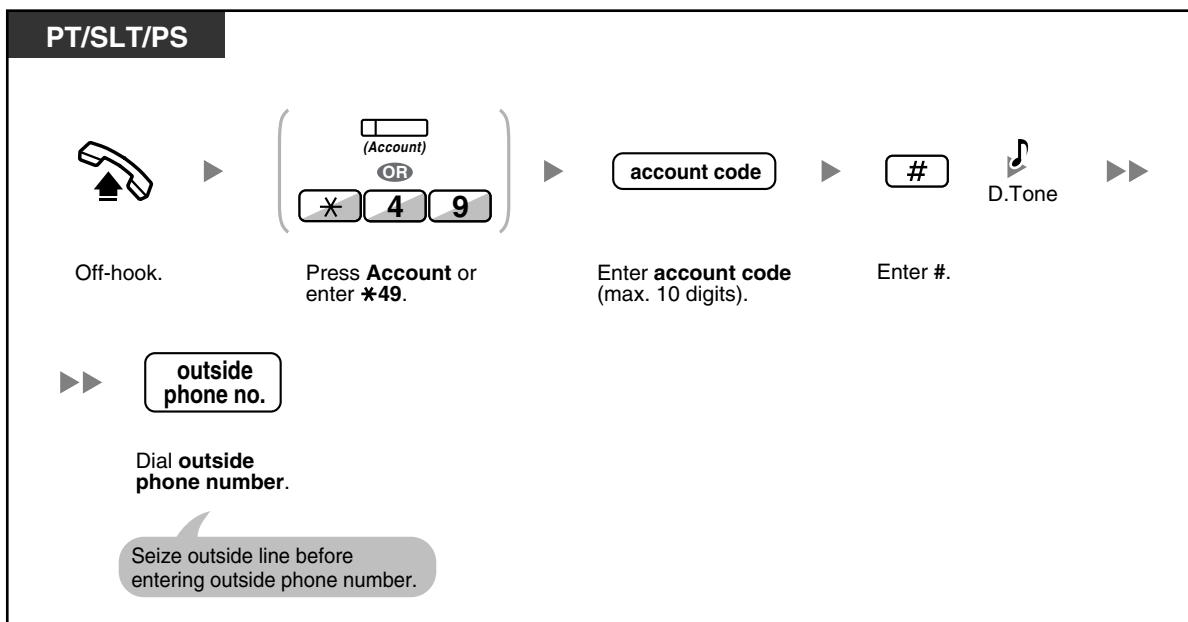


Customising Your Phone

- 3.1.3 Customising the Buttons
 Create or edit a Network Direct Station Selection (NDSS) button.

◆◆ Using an Account Code (Account Code Entry)

You may give a specified account code to extension users and check their telephone usage. You can specify an account code for each client and check the call duration.



- **A Panasonic proprietary telephone extension user** can enter an account code during a conversation and when hearing reorder tone after the other party hangs up.
- Account codes may use the digits "0" through "9".
- **If you enter the wrong code**, press the "×" key and re-enter the account code.



- You may not be able to make an outside call without an account code. Entry mode is assigned to each user. Ask your manager for your mode.
- **For your convenience**, you can store the code with the phone number in the memory (e.g., Speed Dialling).



Customising Your Phone

- 3.1.3 Customising the Buttons
Create or edit an Account button.

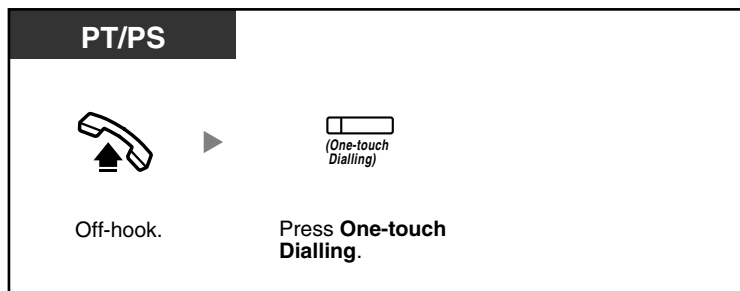
1.2.2 Easy Dialling

This is convenient for frequently dialled phone numbers.

- With a One-touch Button (One-touch Dialling)
- Using Numbers Stored at Your Extension (Personal Speed Dialling)
- Using Numbers Stored in the PBX (System Speed Dialling)
- To a Preset Number by Going Off-hook (Hot Line)
- Using a Preprogrammed Number (Quick Dialling)

◆◆ With a One-touch Button (One-touch Dialling)

You can store a phone number into the flexible button for one-touch operation.



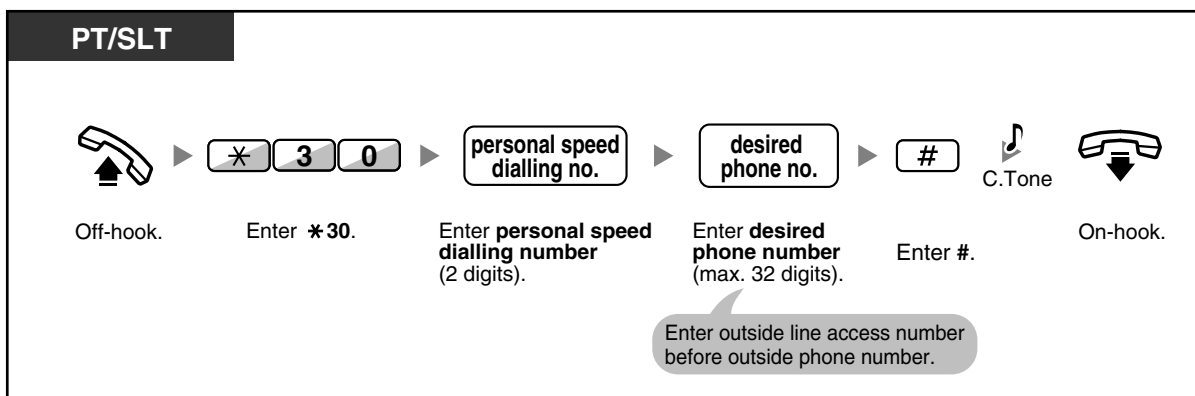
Customising Your Phone

- 3.1.3 Customising the Buttons
Create or edit a One-touch Dialling button, store the desired phone number or feature number.

◆◆ Using Numbers Stored at Your Extension (Personal Speed Dialling)

You can store numbers at your extension for your personal use.
This feature is also known as Station Speed Dialling.

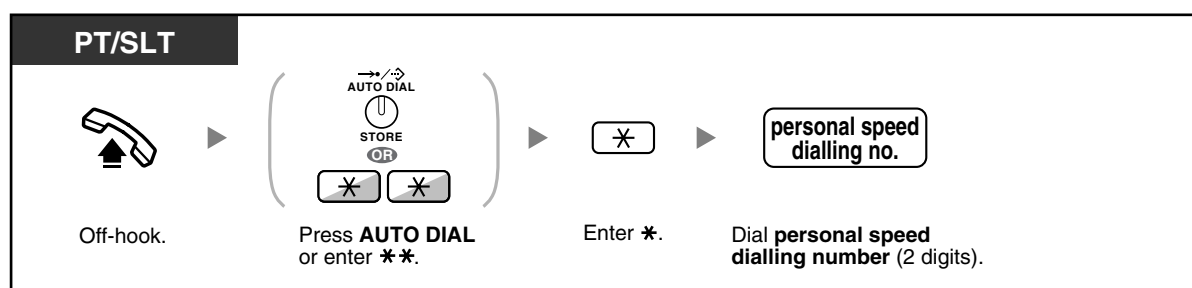
To store a phone number





- The maximum number of personal speed dialling numbers (default: 10 numbers, 00-09) can be increased up to 100 numbers. For more details, consult your dealer.

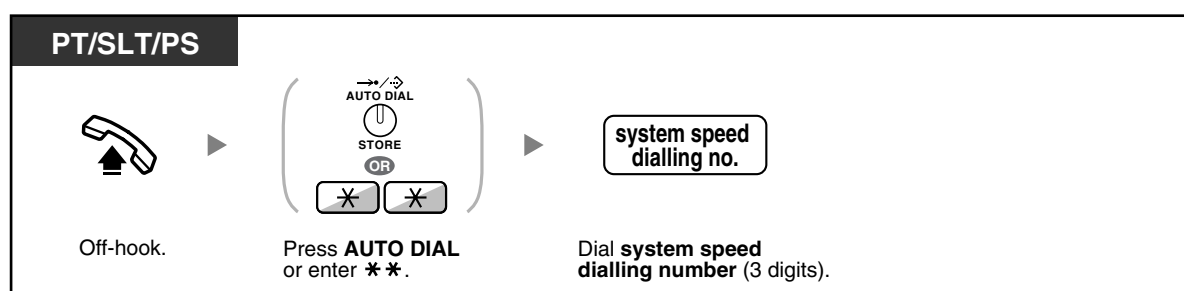
To dial



- To call using a directory, refer to "1.11.2 Using the Directories".

◆◆ Using Numbers Stored in the PBX (System Speed Dialling)

You can make calls using speed dialling numbers stored in the PBX.

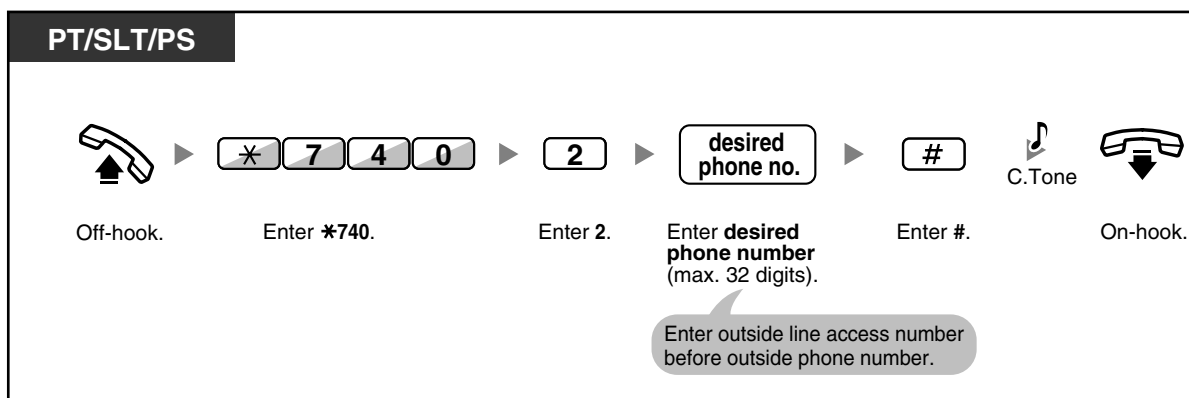


- To call using a directory, refer to "1.11.2 Using the Directories".

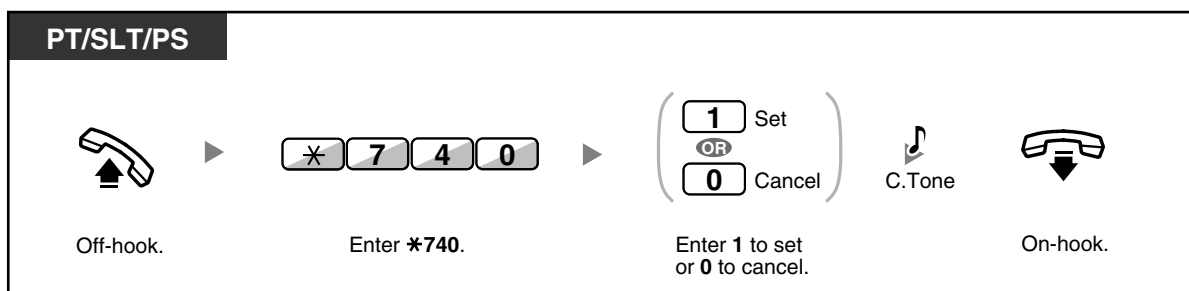
◆◆ To a Preset Number by Going Off-hook (Hot Line)

You can make an outside call simply by going off-hook if you have preprogrammed your phone. This feature is also known as Pickup Dialling.

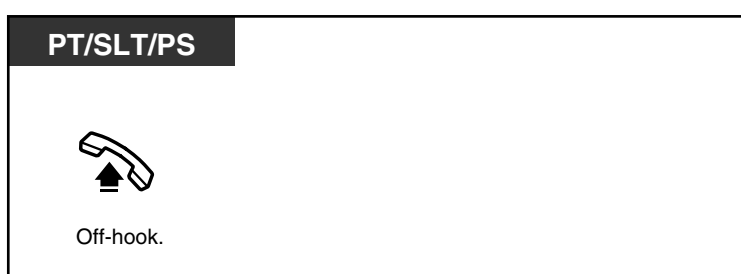
To store a phone number



To set/cancel



To dial



- **To call another party**, dial the desired party's phone number before the preprogrammed number is dialled.
- You should assign the intercom line as the seized line when going off-hook. (Preferred Line Assignment—Outgoing)
- If cancelling Hot Line is difficult because this feature is activated immediately after going off-hook, consult your dealer.



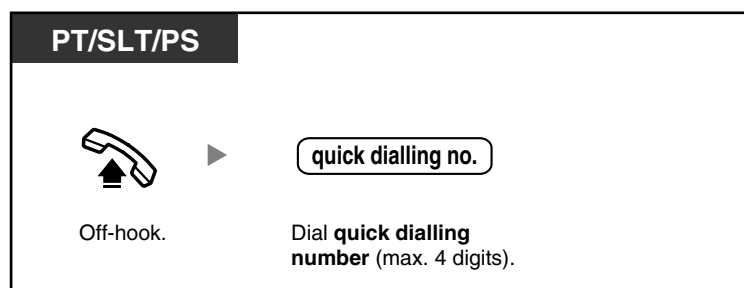
Customising Your Phone

- 3.1.2 Settings on the Programming Mode—**Preferred Line Assignment—Outgoing**
Select the seized line when going off-hook.



Using a Preprogrammed Number (Quick Dialling)

You can make a call simply by pressing the preprogrammed number for quick dialling. For details, consult your manager or dealer.



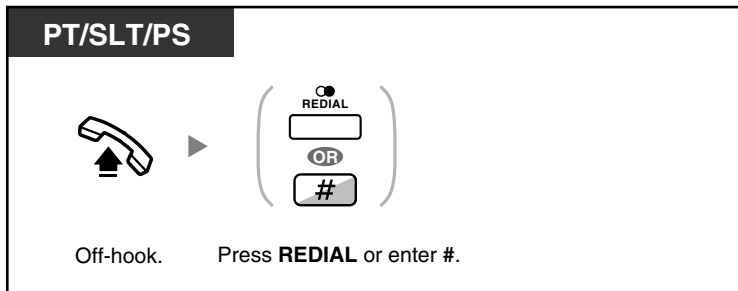
- It is a useful feature for Hotel.
For example, to dial the Room Service, dial the digit "3", not the full extension number.

1.2.3 Redial

This is convenient when calling the same outside party again.

- Redialling the Last Number You Dialed (Last Number Redial)

◆◆ Redialling the Last Number You Dialed (Last Number Redial)



- Up to 32 digits can be stored and redialled.
- After pressing REDIAL, if you hear a busy tone again, press REDIAL to retry.



- **Automatic Redial**

To redial automatically, press the SP-PHONE button and then the REDIAL button, or press the REDIAL button directly. It will keep trying the busy number until the called party answers or until a specified timeout.

You can perform other tasks during dialling. To cancel, press the FLASH/RECALL button. Some outside lines may not support this feature.

This feature is not available for the KX-T7665 and PS.

1.2.4 When the Dialed Line is Busy or There is No Answer

- Reserving a Busy Line (Automatic Callback Busy)
- Setting Callback on an ISDN Line (Completion of Calls to Busy Subscriber [CCBS])
- Sending a Call Waiting Tone (Call Waiting)
- Leaving a Message Waiting Indication/Calling Back the Caller Who Left an Indication (Message Waiting)
- Joining an Existing Call (Executive Busy Override)
- Monitoring Another Extension (Call Monitor)
- To an Extension Refusing the Call (DND Override)

◆◆ Reserving a Busy Line (Automatic Callback Busy)

You can set the telephone to receive callback ringing:

- when a dialed extension becomes idle.
- when your desired outside line that is in use by another extension becomes idle.

You cannot set Automatic Callback Busy for a busy party outside of the PBX.


When you answer the callback ringing:

- For an outside call: The line is seized.
- For an intercom call: The called extension starts ringing automatically.


To set (for both extension and outside line)

PT/SLT/PS


While hearing a busy tone



Enter 6.



C.Tone




On-hook.


To answer the callback ringing from an idle extension

PT/SLT/PS


While hearing a callback ringing



Off-hook.

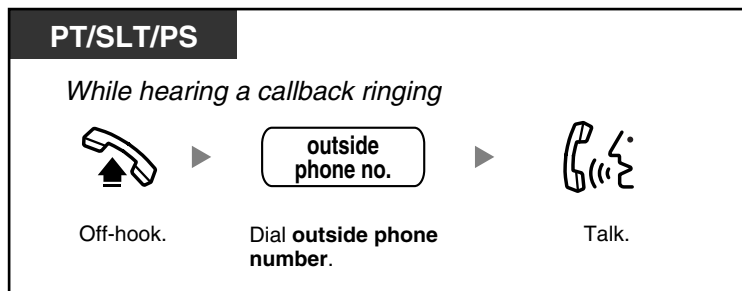


R.B.Tone



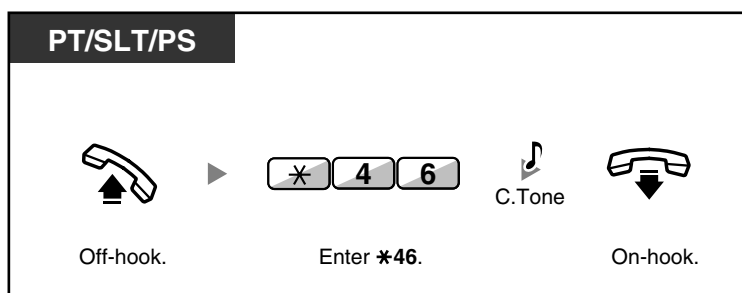
Talk.

To answer the callback ringing from an idle outside line



- If you do not answer the callback ringing within 10 seconds, this feature will be cancelled.

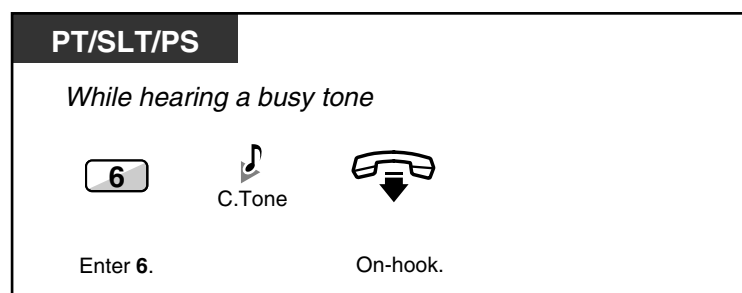
To cancel callback ringing (Automatic Callback Busy Cancel)



◆◆ Setting Callback on an ISDN Line (Completion of Calls to Busy Subscriber [CCBS])

You can set the telephone to receive callback ringing when a busy called party on an ISDN line becomes free.

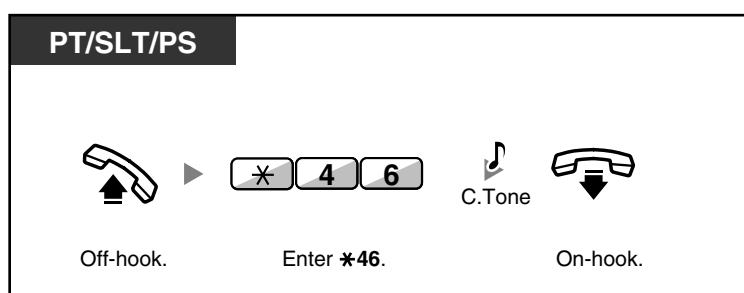
When you answer the callback ringing, the called party's telephone number is automatically dialled.



To answer while hearing a callback ringing



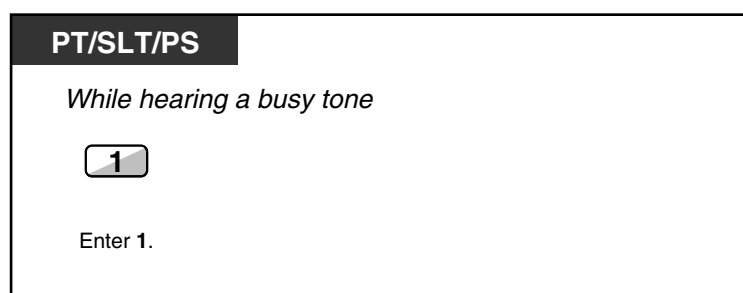
To cancel (CCBS Cancel)



- If you do not answer within a specified time period, this feature will be cancelled.
- Availability of this feature depends on the ISDN service of your telephone company.

◆◆ Sending a Call Waiting Tone (Call Waiting)

You can inform the called party that your call is waiting.
This feature is also known as Busy Station Signalling (BSS).



- **Depending on the other party's telephone**, the "Off-hook Call Announcement (OHCA)" and the "Whisper OHCA" features can be used. You can talk to the other party through the speaker and the microphone (OHCA) or you only send a call announcement through the handset (Whisper OHCA), if they are having another conversation using the handset. Refer to "1.7.3 Receiving Call Waiting (Call Waiting/Off-hook Call Announcement [OHCA]/Whisper OHCA)". For telephones capable of using the OHCA and Whisper OHCA features, consult your dealer.

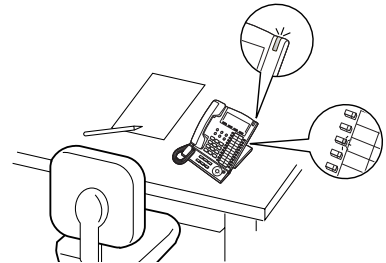
◆◆ Leaving a Message Waiting Indication/Calling Back the Caller Who Left an Indication (Message Waiting)

◆ For a caller

When the called extension is busy or does not answer your call, you can leave a notification so that the called party may call you back.

◆ For a called extension

As a message receiver, the Message button light or Message/Ringer Lamp lets you know that a call has been received. If you receive notification, you can call the caller back by a simple operation.




◆ For a caller


To leave a message waiting indication

PT/SLT/PS


When the called extension is busy or does not answer




OR



Press **MESSAGE**
or enter **4**.




C.Tone



On-hook.

To leave/cancel a message waiting indication

PT/SLT/PS



Off-hook.

Enter ***70**.

1

 Leave
OR


0

 Cancel


Enter **1** to leave
or **0** to cancel.

desired
extension no.

Enter **desired
extension number**.



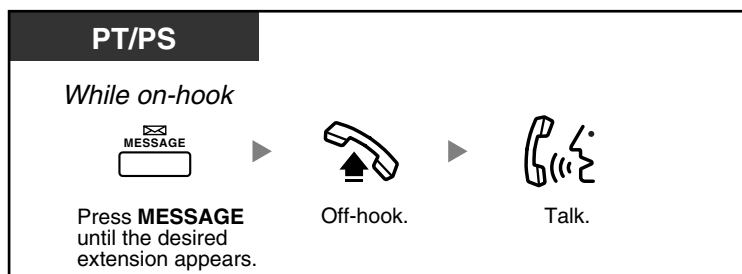
C.Tone



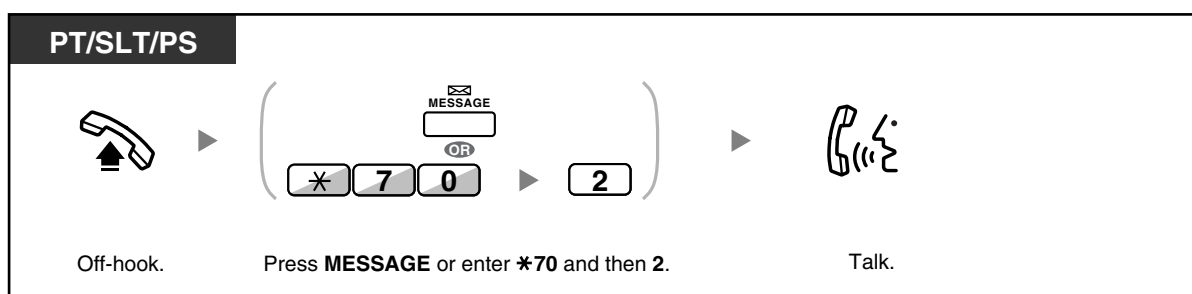
On-hook.

◆ For a called extension

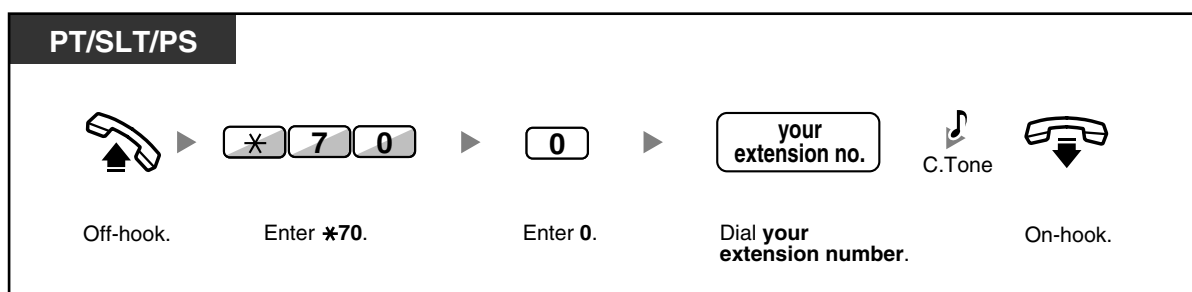
To check the left message and call back



To call back



To clear message waiting indications left on your extension





- The Message button light or Message/Ringer Lamp shows the current status as follows:
Off: No message
Red on: You have a message.
- The display shows the messages starting with the most recent call.
- At a called extension, the MESSAGE button allows you to clear message waiting indications if you do not want to call the callers back. To clear, press the MESSAGE button and then press the soft button.
- On your PT, you can establish one or more "Message for another extension" buttons. These buttons can accept the message waiting notification of other extensions or various incoming call distribution groups.
In other words, you can monitor the message waiting notifications of other telephones.
- A single line telephone extension user will receive a special dial tone as message waiting notification when going off-hook.
- **KX-TDA100/KX-TDA200 only**
The message waiting lamp of a single line telephone can also let you know that you have a message in the same way as the Message button.



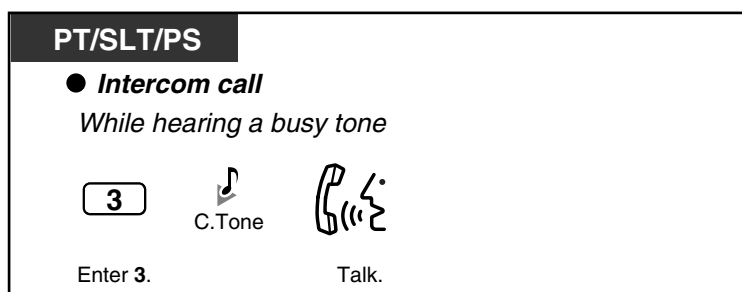
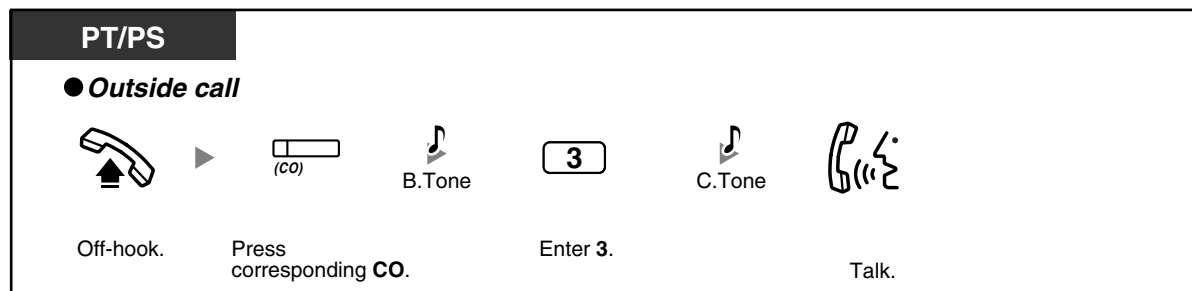
Customising Your Phone

- 3.1.3 Customising the Buttons
Create or edit a Message button or Message for another extension button.

◆◆ Joining an Existing Call (Executive Busy Override)

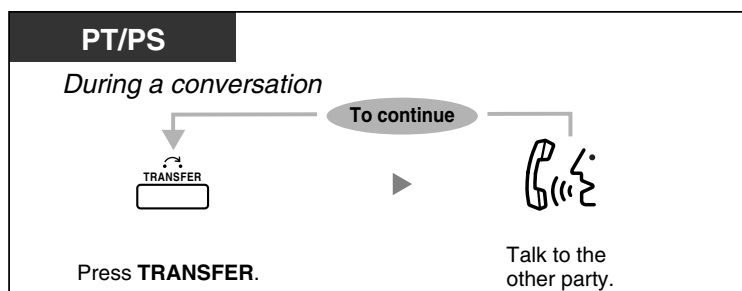
The preprogrammed extension can call someone who is busy on the telephone and establish a three-party conversation.

To join



◆ For the joined extension

To talk to each party alternately

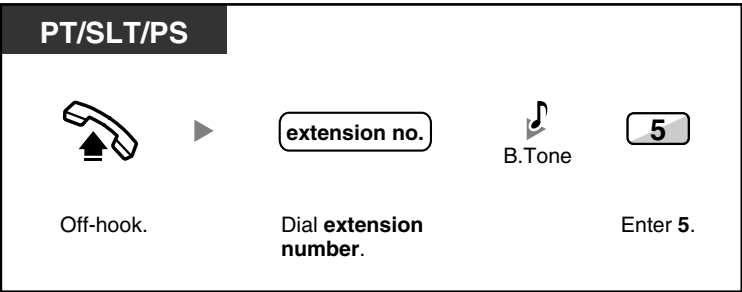


- You can also deny others the possibility of joining your conversation (Default: Allow). Refer to "1.7 Setting the Telephone According to Your Needs".

◆◆ **Monitoring Another Extension (Call Monitor)**

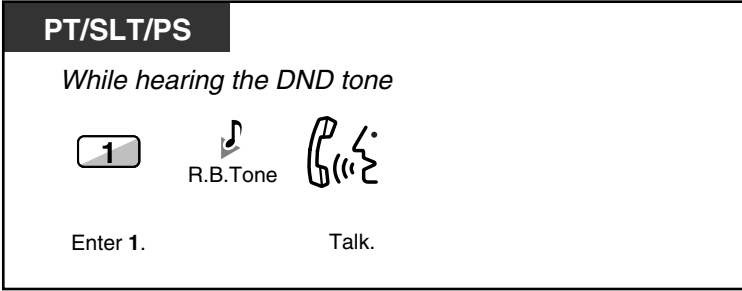
The preprogrammed extension can monitor another extension.

To monitor



◆◆ **To an Extension Refusing the Call (DND Override)**

The preprogrammed extension can call someone who has set the DND feature.

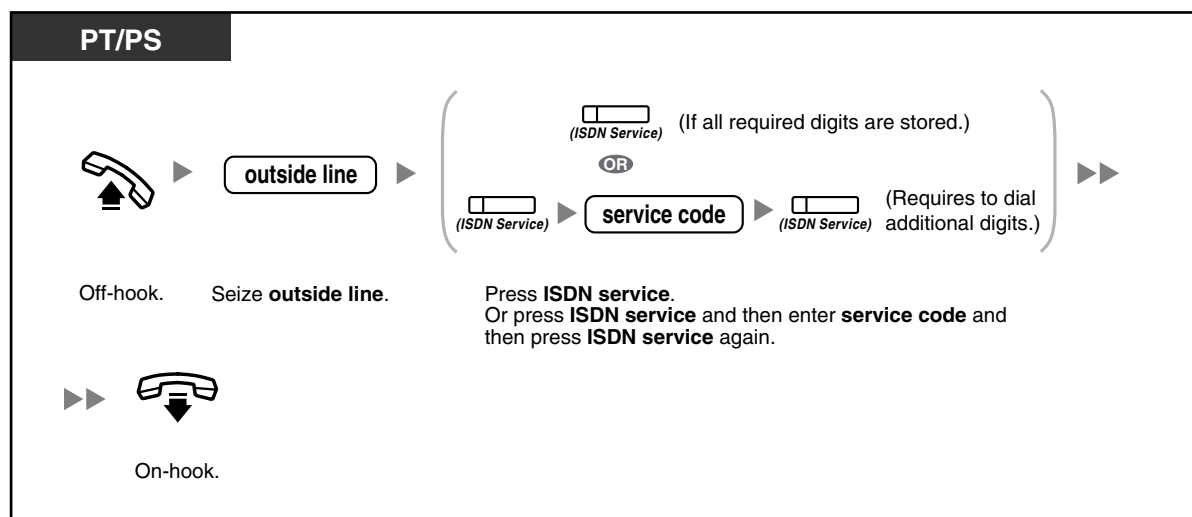


1.2.5 Accessing the ISDN Service (ISDN Service Access)

You can access services provided by the ISDN.



To access



- Availability of features depends on the ISDN service of your telephone company.



Customising Your Phone

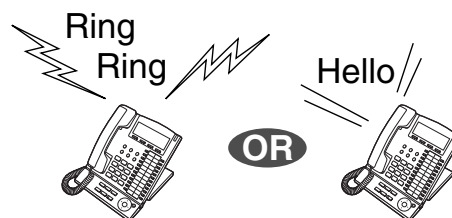
- 3.1.3 Customising the Buttons
Create or edit an ISDN Service button.

1.2.6 Alternating the Calling Method (Alternate Calling—Ring/Voice)




The caller can alternate the alerting method, either ring or voice, when making an intercom call. On the other hand, any extension can set the alerting method, either ring or voice, when receiving an intercom call.

Ringing (Default): You can call the other party with a ring tone.

Voice-calling: You can talk to the other party immediately after confirmation tone.



To change the method

PT/SLT/PS		
<i>After dialling</i>		
		
Enter *.		Talk.



- If the called party uses a single line telephone or portable station, Voice-calling is not available.
- This feature is not available when the called party's telephone is in the Voice Call Deny mode.



Customising Your Phone

- 3.1.2 Settings on the Programming Mode—**Alternate Receiving—Ring/Voice**
Select the alerting method, either ring or the other party's voice.

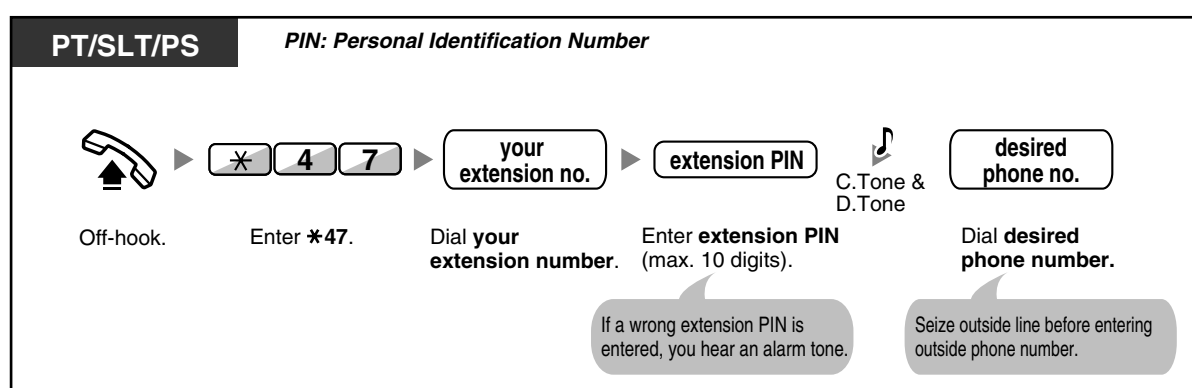
1.2.7 Calling without Restrictions

- Using Your Calling Privileges at Another Extension (Remote COS Access)

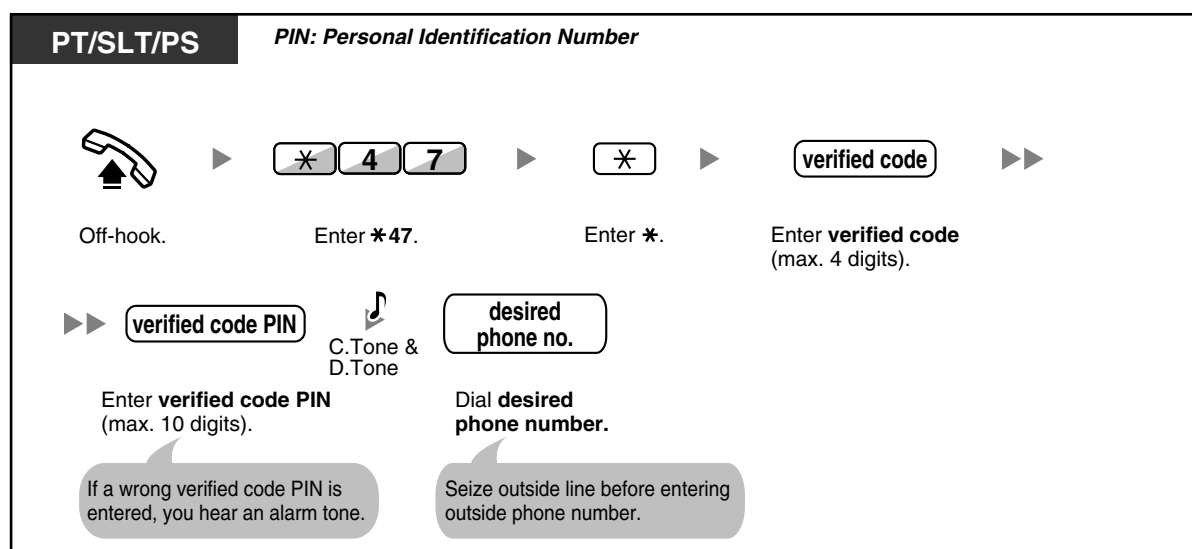
◆◆ Using Your Calling Privileges at Another Extension (Remote COS Access)

You can use your calling privileges (Class of Service) at another extension. You may override restrictions which have been set. To use this feature, an original extension number and an extension PIN (Personal Identification Number) are required. You can make a call by entering a verified code and verified code PIN. For the available verified code, ask your manager.

To call (Walking COS)



To call with a verified code (Verified Code Entry)



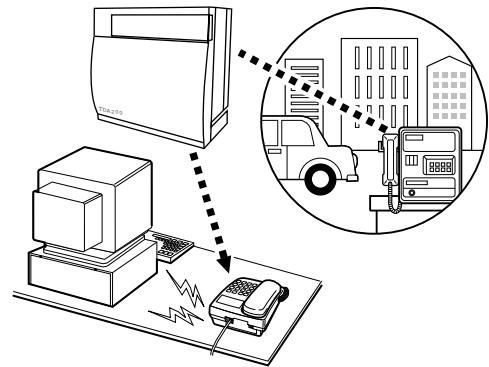
1.2.8 To Access Another Party Directly from Outside (Direct Inward System Access [DISA])

- Calling through DISA

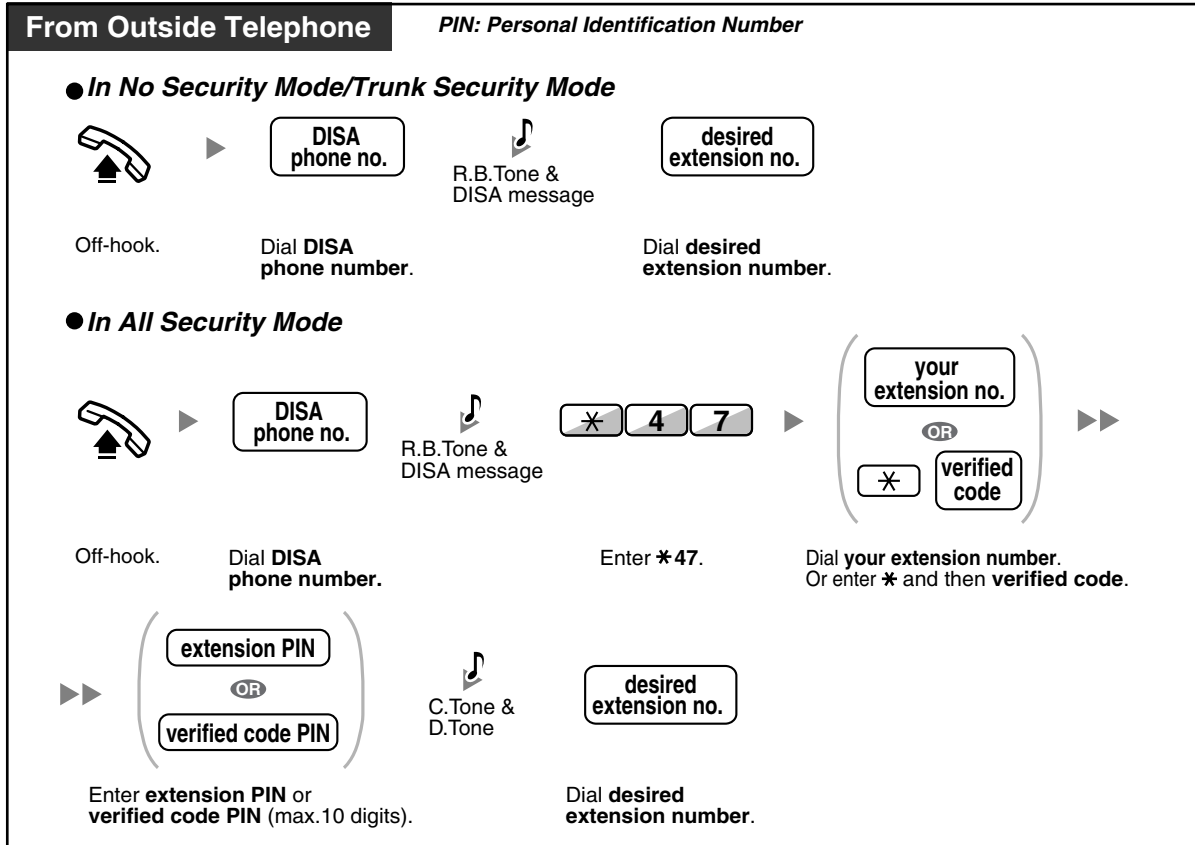
◆◆ Calling through DISA

When outside callers access extensions in the PBX, a prerecorded message greets the caller and gives information about how to access an extension. You do not need the operator's assistance.

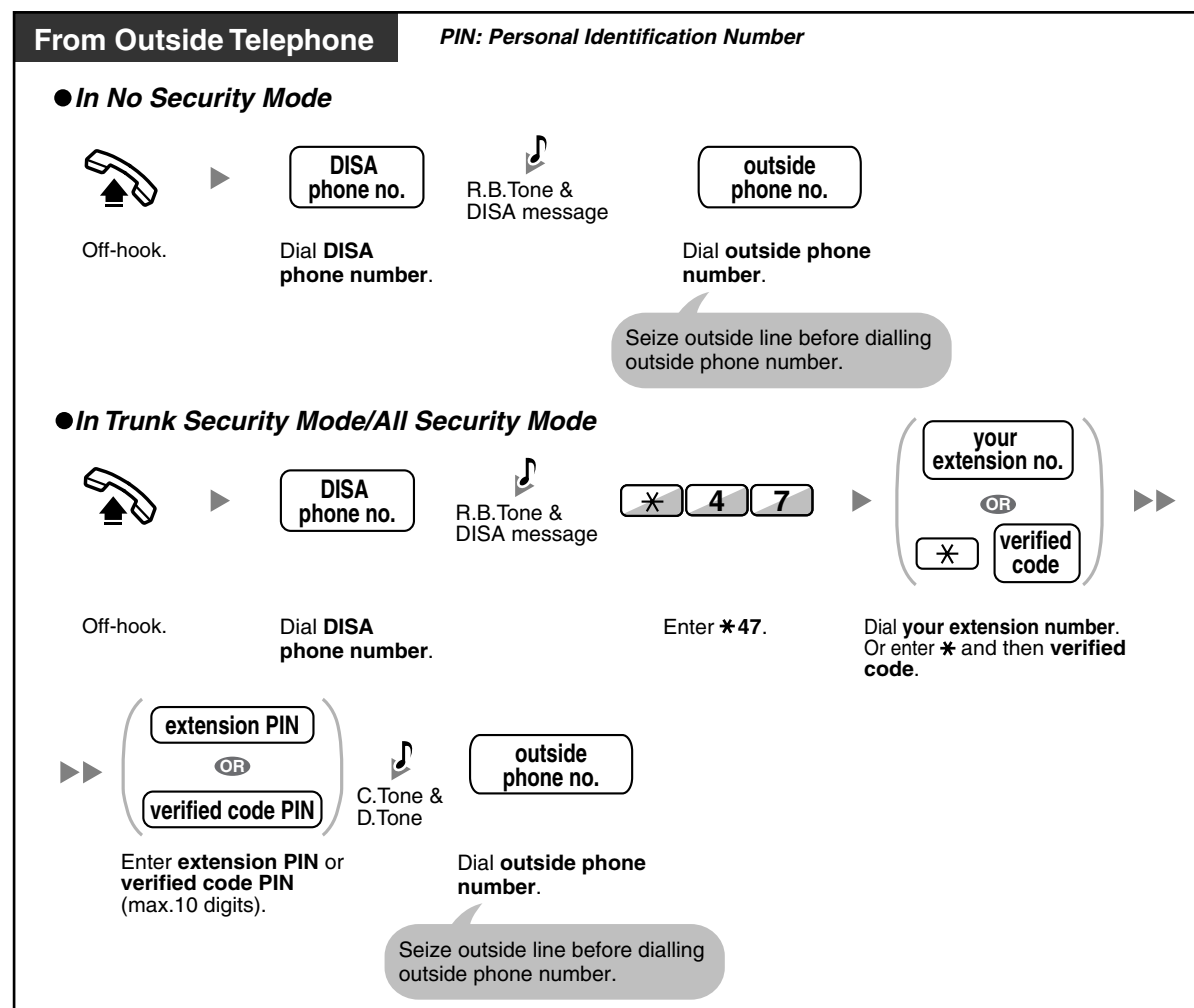
You may be able to access system features or call an outside party with your password depending on the security mode. Ask your manager for the mode assigned to your PBX.



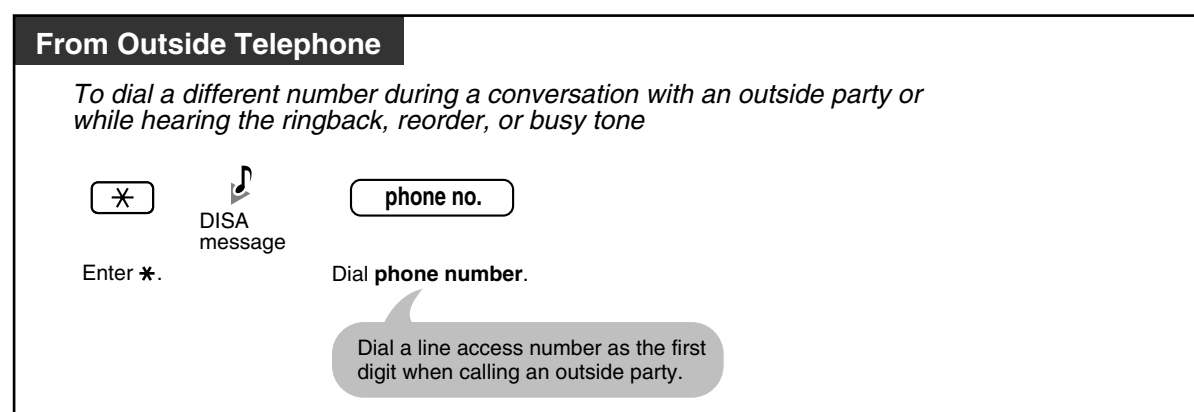
To call an extension



To call an outside party



To retry





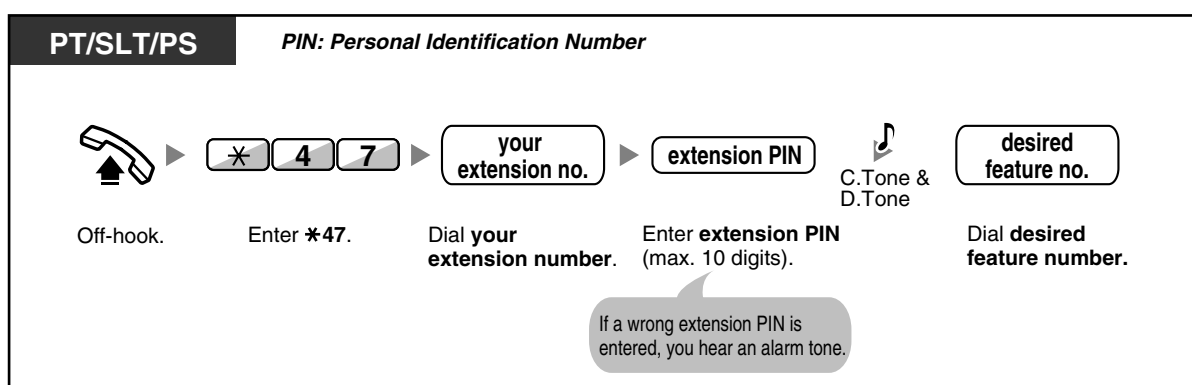
- **WARNING**
When you enable the Outside-to-Outside Call feature of DISA, and a third party discovers the password (verified code PIN/extension PIN) of the PBX, there will be a risk that they will make fraudulent phone calls using the telephone line, and the cost will be charged to your own account. In order to avoid this problem, we strongly recommend the following points:
 - a) Carefully maintain the secrecy of the PIN.
 - b) Specify a complicated PIN as long and random as you can make it.
 - c) Change the PIN frequently.
- **Time limit**
Both parties will hear an alarm tone fifteen seconds before the specified time limit. To extend, press any dial button except *.
- **If Built-in Automated Attendant service is set**, you can access the desired extension simply by pressing a single digit (0-9) from the options given the prerecorded message.

1.2.9 Setting Your Telephone from Another Extension or through DISA (Remote Setting)

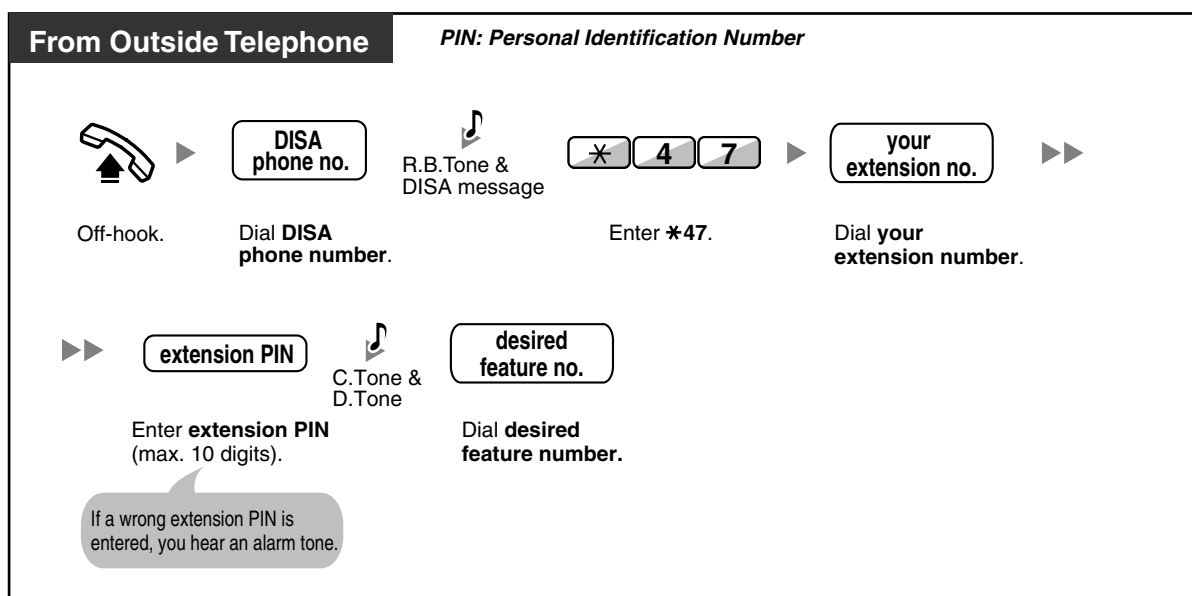
You can set the following features on your telephone from another extension or through DISA.

- Call Forwarding (FWD)/Do Not Disturb (DND)
- Changing the Log-in/Log-out Status of Extensions
- Absent Message
- Extension Lock
- Time Service—Changing the Time Mode (Day/Night/Lunch/Break)

From another extension





Through DISA



1.3 Receiving Calls

1.3.1 Answering Calls

PT/SLT/PS



Off-hook. Talk.

Select one of the following methods:

- Lift the handset to receive the preferred line.
(Default: Ringing line is selected.)
- Press the SP-PHONE button.
- Press the flashing CO, INTERCOM or ICD Group button directly.
- Press the ANSWER button.



- The ICD Group button light shows the current status as follows:
Off: Idle
Green on: The line is in use. (You are using the line.)
Red on: Your extension is in Log-out mode from the incoming call distribution group.



Customising Your Phone

- 3.1.2 Settings on the Programming Mode—
Preferred Line Assignment—Incoming
Select the seized line when going off-hook.
Alternate Receiving—Ring/Voice
Select the Calling method, either ring or the other party's voice.
- 3.1.3 Customising the Buttons
Create or edit an Incoming Call Distribution Group (ICD Group) button.

1.3.2 Answering Hands-free (Hands-free Answerback)

You can answer an incoming call without going off-hook as soon as the line is connected. When an intercom call arrives, you will hear the caller talking without the phone ringing. When an outside call arrives, you will hear the caller talking after a preprogrammed number of rings. Hands-free Answerback for outside calls requires system programming. Consult your dealer.



To set/cancel



- The AUTO ANS button light shows the current status as follows:
Off: Not set
On: Set
- For a PS user, refer to "Operating Instructions" for PS.

1.3.3 Answering a Call Ringing at Another Telephone (Call Pickup)

- Answering a Call from Another Telephone (Call Pickup)
- Denying Other People the Possibility of Picking Up Your Calls (Call Pickup Deny)

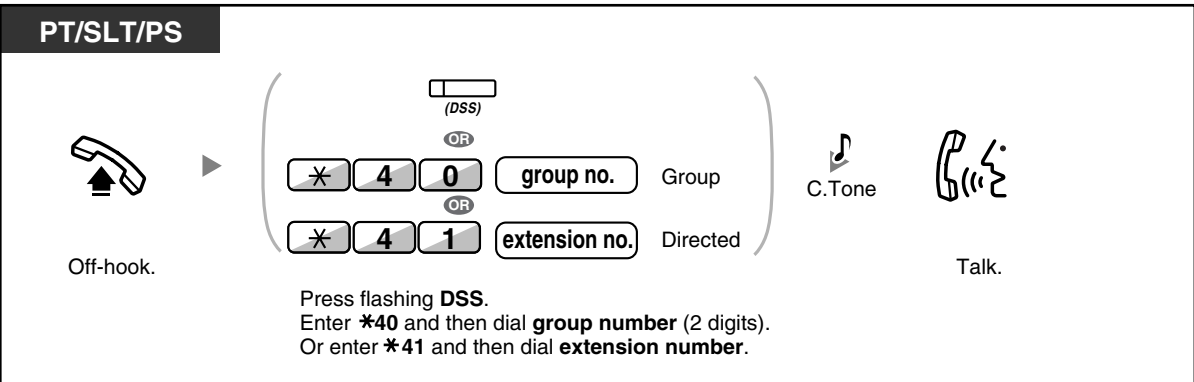
◆◆ Answering a Call from Another Telephone (Call Pickup)

You can answer an incoming call that is ringing at another extension or group from your phone without leaving your desk.

The following types of pickup are available:

Group Call Pickup: Picks up a call within your group.

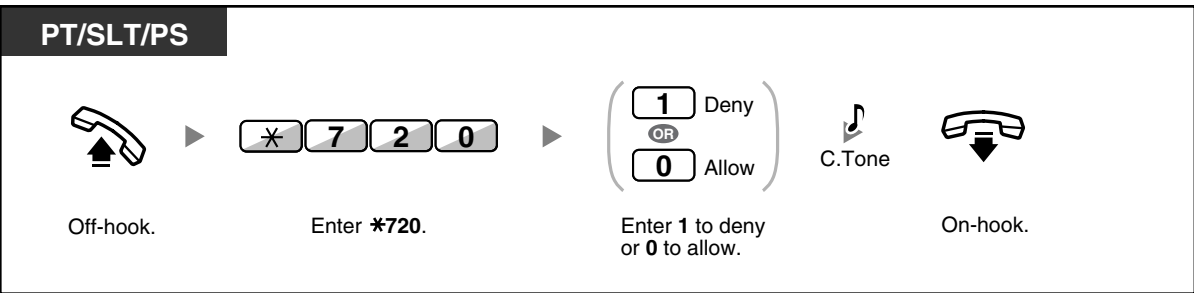
Directed Call Pickup: Picks up a specified extension's call.



- If you receive a call waiting tone, you can ask a third party to pick up your second call with Directed Call Pickup.
- If there are multiple incoming calls for the same group, the longest waiting call is received first.

◆◆ Denying Other People the Possibility of Picking Up Your Calls (Call Pickup Deny)

You can deny or allow other people to pick up your calls.

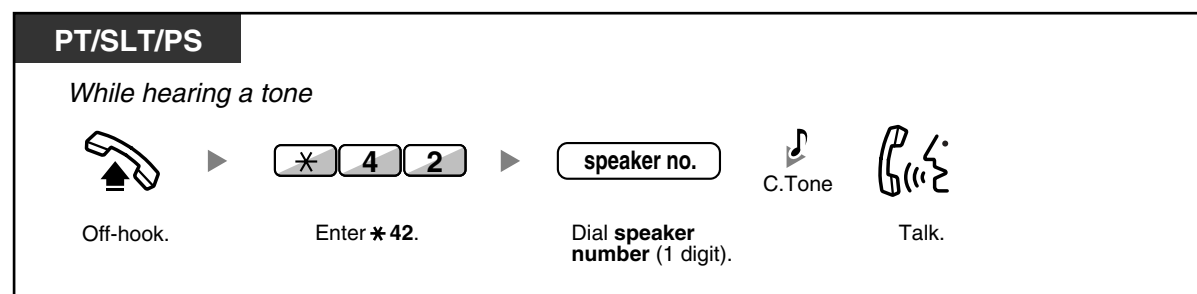


1.3.4 Answering a Call via an External Speaker (Trunk Answer From Any Station [TAFAS])

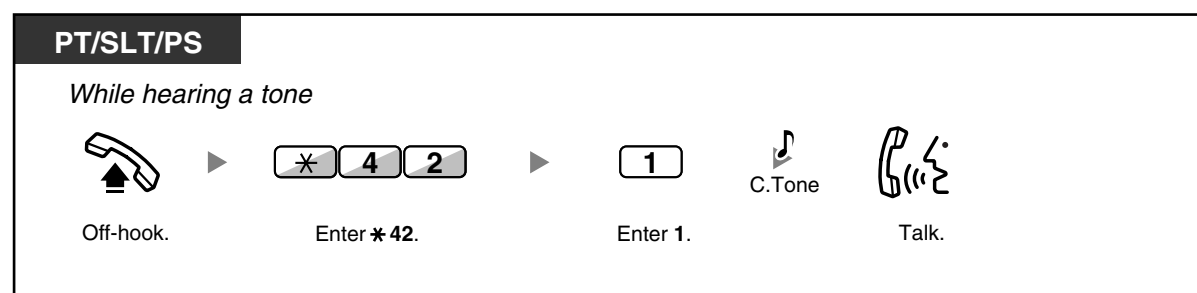
You can be notified of incoming outside calls through an external speaker. These calls can be answered from any extension.

Through an external speaker

<For users of KX-TDA100/KX-TDA200>



<For users of KX-TDA30>



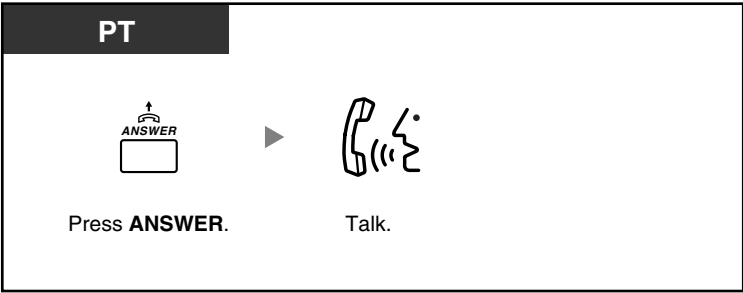
- You can also receive a paging announcement via a speaker with this operation.

1.3.5 Using the ANSWER/RELEASE Button

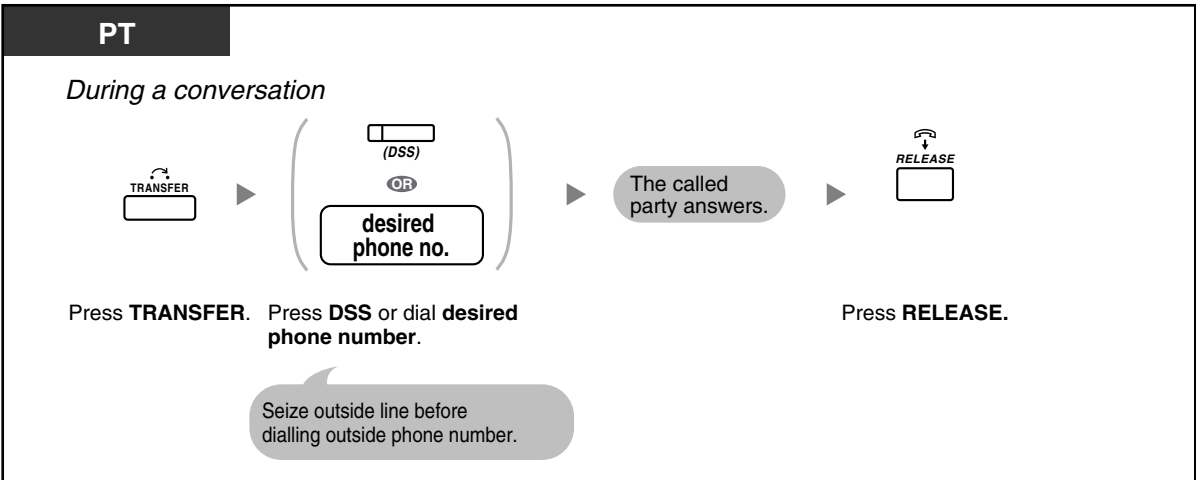
The ANSWER and RELEASE buttons are convenient for operators using headsets. With the ANSWER button, you can answer all incoming calls. With the RELEASE button, you can disconnect the line during or after a conversation, or complete transferring a call.



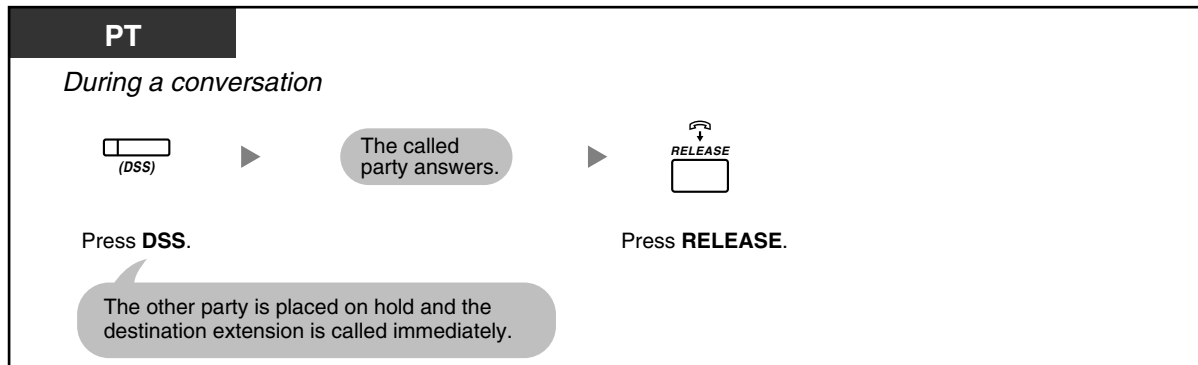
To answer



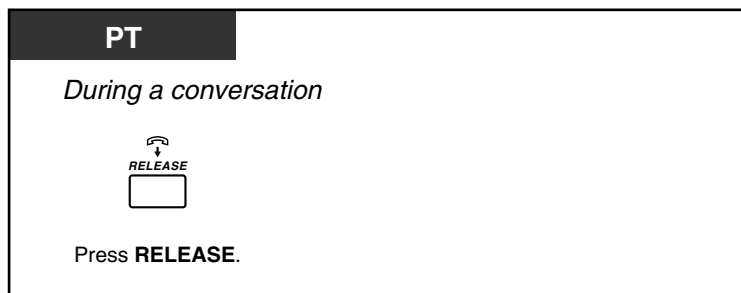
To transfer a call



To transfer an outside call to an extension with a one-touch operation



To end a conversation



Customising Your Phone

- 3.1.3 Customising the Buttons
Create or edit an Answer button or a Release button.

1.3.6 Identifying Malicious Calling Parties (Malicious Call Identification [MCID])

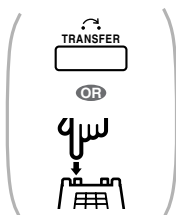
You can ask your telephone company to trace a malicious calling party during a conversation or after the calling party hangs up.

You will receive the information on the malicious call later on.


To request MCID


PT/SLT/PS

During a conversation or when hearing a reorder tone after the calling party hangs up.



▶





Press **TRANSFER** or **Recall/hookswitch**. Enter ***7*3**. C.Tone Talk or on-hook.



- Availability of this feature depends on the ISDN service of your telephone company.

1.4 During a Conversation

1.4.1 Transferring a Call (Call Transfer)

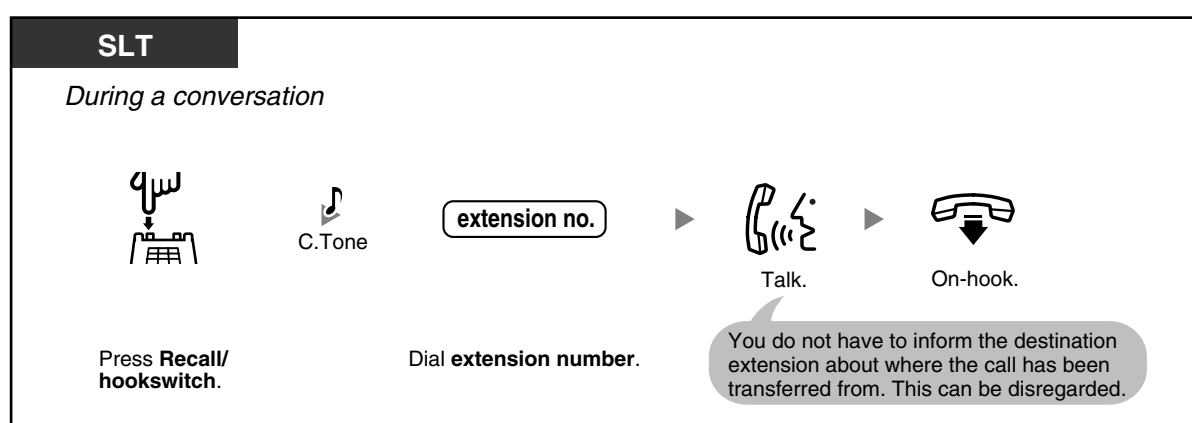
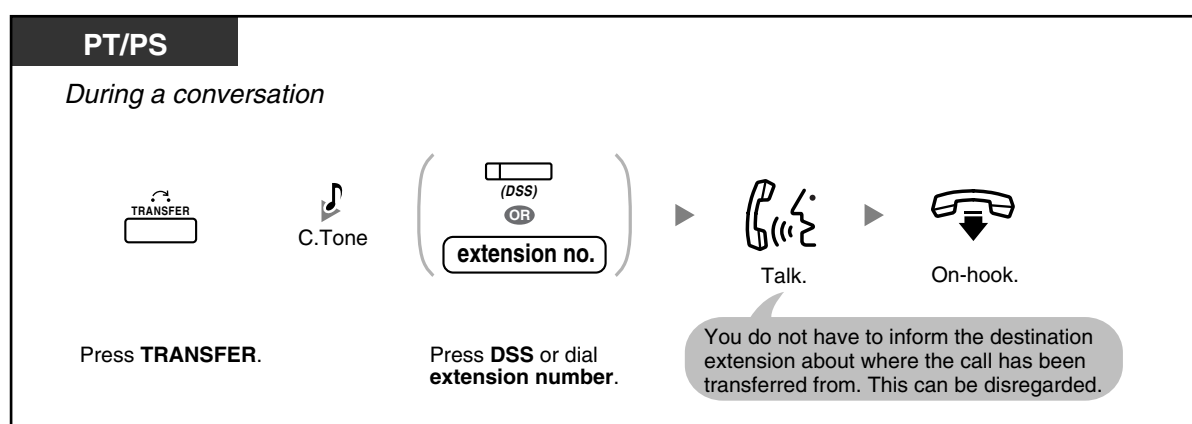
- Transferring to an Extension on the PBX
- Transferring to an Outside Party Using the PBX Service
- Transferring a Call Using the ISDN Service (Call Transfer [CT]—by ISDN)



- You can transfer a held call without talking by going on-hook. If a call is not retrieved within a specified time, you will hear an alarm as a reminder. And, if an outside call is not answered within a specified time, it is automatically disconnected.
- **If you hear an alarm tone**, the destination extension did not answer the call. Answer the call.

◆◆ Transferring to an Extension on the PBX




To transfer



To transfer with one touch (One-touch Transfer)

PT/PS

During a conversation

Press **DSS**. Talk. On-hook.

You do not have to inform the destination extension about where the call has been transferred from. This can be disregarded.





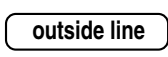
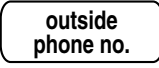


- Even if the transferred party does not answer, you can go on-hook.

◆◆ **Transferring to an Outside Party Using the PBX Service**

Some extensions may be restricted from performing this feature.

PT/PS

During a conversation



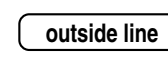
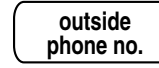


     

Press **TRANSFER**. Seize **outside line**. Dial **outside phone number**. Talk. On-hook.

The call is transferred.

SLT

During a conversation

Press **Recall/hookswitch**. Seize **outside line**. Dial **outside phone number**. Talk. On-hook.

The call is transferred.



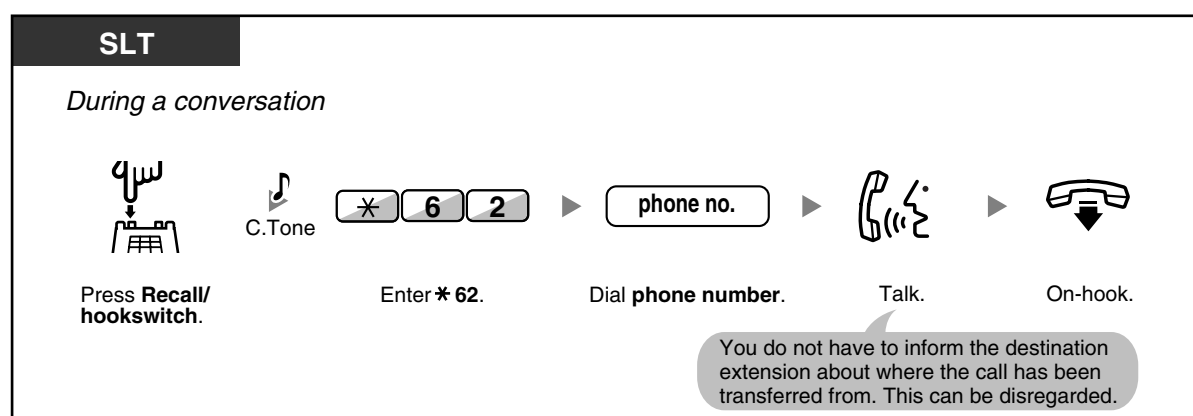
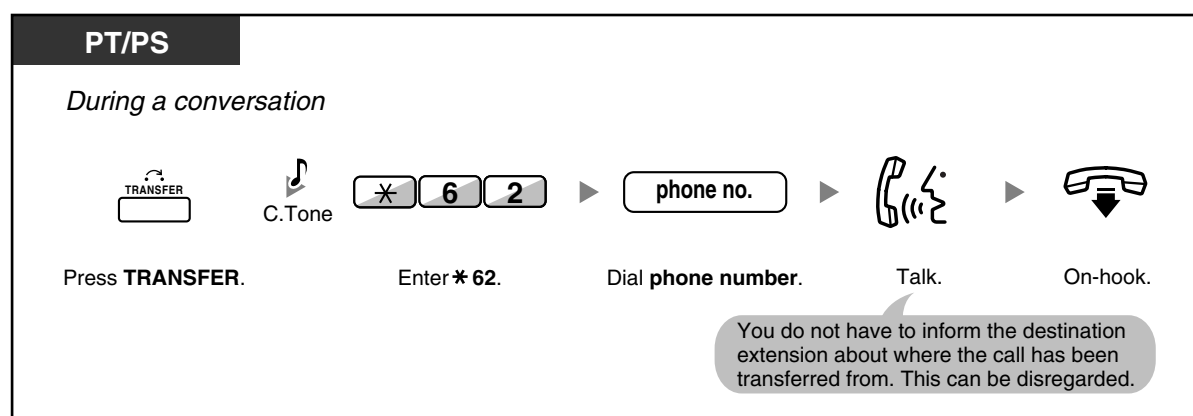
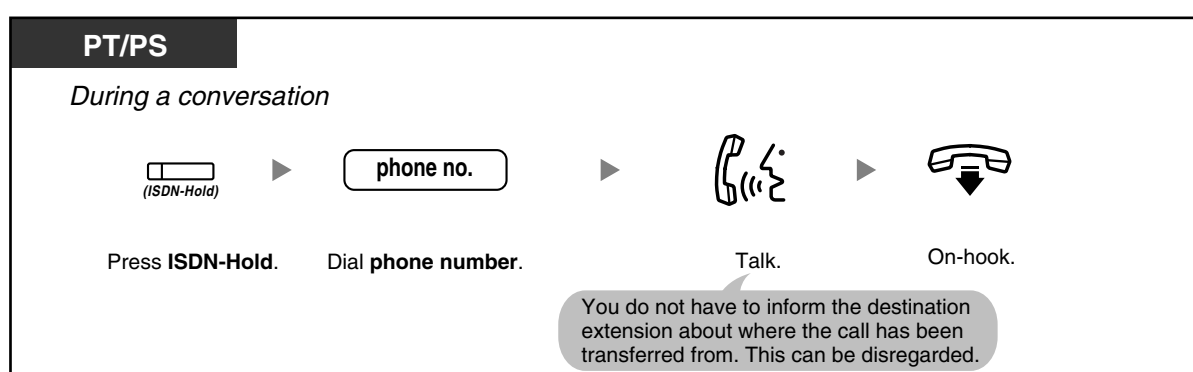
- **Time limit**
Both the caller and the transferred party will hear an alarm tone fifteen seconds before a specified time period.
- **To return to the held call before the destination answers**, press the TRANSFER button, corresponding CO, ICD Group or INTERCOM button, or the hookswitch.



Customising Your Phone

- 3.1.3 Customising the Buttons
Create or edit a Direct Station Selection (DSS) button.

◆◆ Transferring a Call Using the ISDN Service (Call Transfer [CT]—by ISDN)



1.4 During a Conversation



- To retrieve the held call, press the TRANSFER button, Recall/hookswitch.
- Even if you go on-hook while transferring a call, it is transferred.
- After the call is transferred, the line becomes idle.



Customising Your Phone

- 3.1.3 Customising the Buttons
Create or edit an ISDN-Hold button.

1.4.2 Holding a Call

- Holding
- Holding in a System Parking Zone (Call Park)

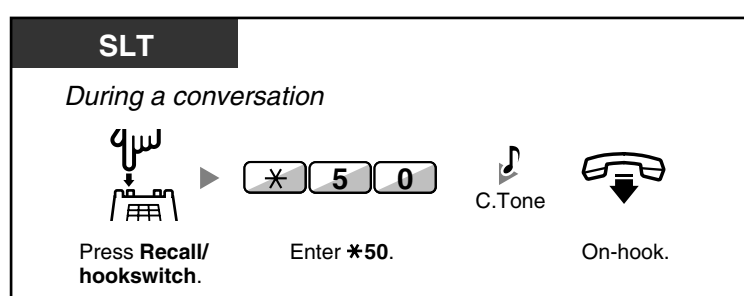
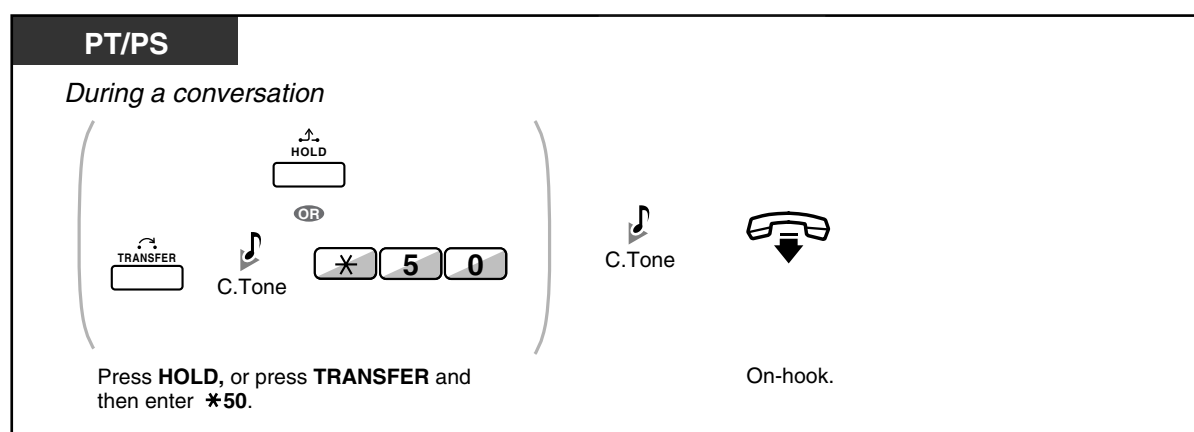


- **If a call is not retrieved within a specified time**, you will hear an alarm as a reminder. And, if an outside call is not answered within a specified time, it is automatically disconnected.

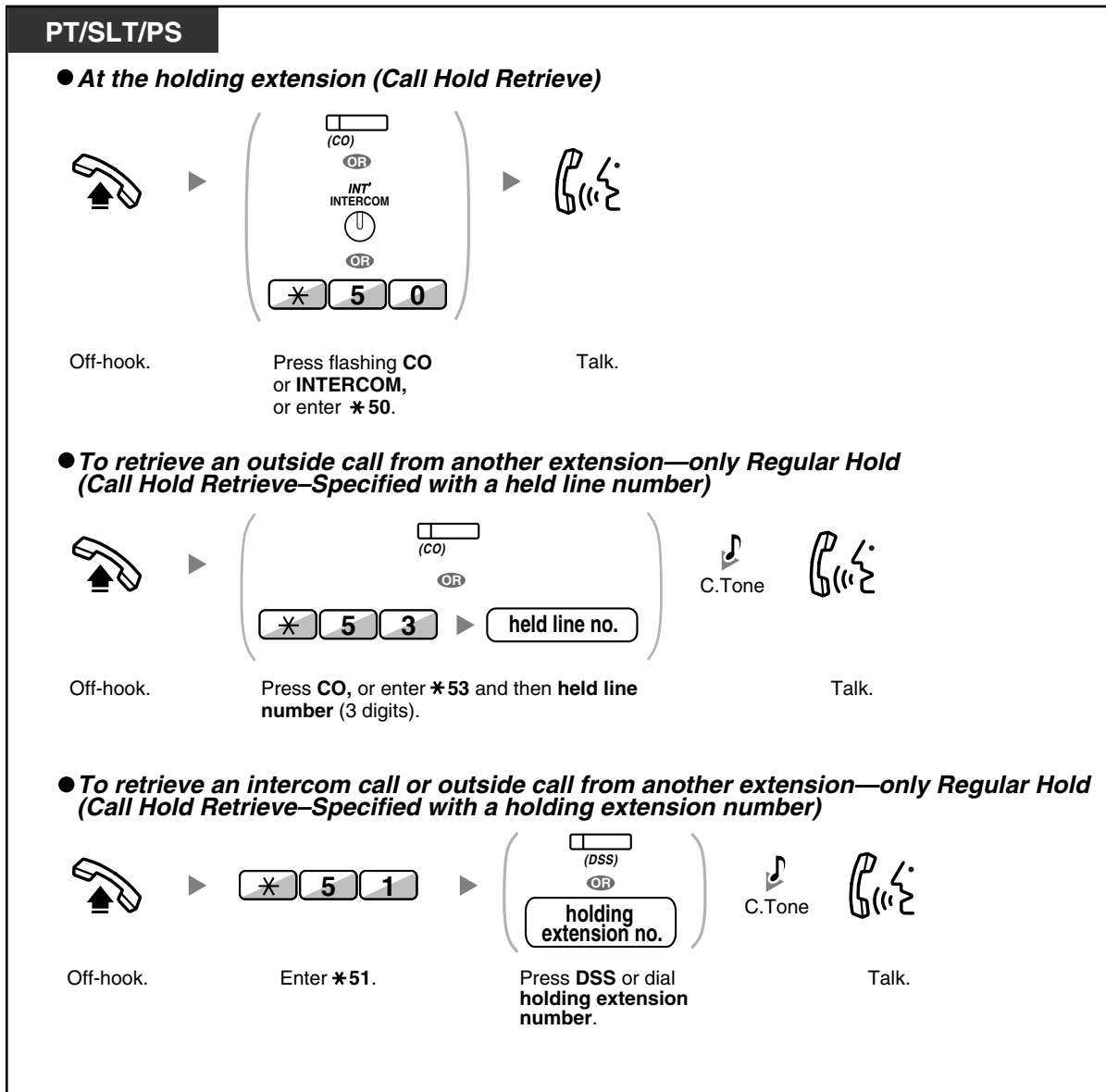
◆◆ Holding

There are two types of hold. The difference between them is that other people can retrieve your held call (Regular Hold) or not (Exclusive Call Hold). As they can be alternated, ask your manager what the current mode is.

To hold (Call Hold)



To retrieve a call (Call Hold Retrieve)



- The CO or INTERCOM button light shows the current status as follows:
 - Regular Hold mode
 - Flashing green slowly:** Your held call
 - Flashing red:** Another extension's held call
 - Exclusive Call Hold mode
 - Flashing green rapidly:** Your held call
 - Red on:** Another extension's held call
- **Hold Mode Change (PT only)**
 After pressing the HOLD button, if you press the HOLD button again, the status switches from the Regular Hold mode to the Exclusive Call Hold mode or from the Exclusive Call Hold mode to the Regular Hold mode.



- **For simple operation**, you can automatically hold a call by pressing another CO, ICD Group or INTERCOM button, only if preprogrammed. **(Automatic Call Hold)** Consult your dealer.

◆ Holding in a System Parking Zone (Call Park)

You can put a call on hold in a common parking zone of the PBX so that any extension can retrieve the parked call. You can use this feature as a transferring feature.


A call can be put into either a specified parking zone (Specified) or any idle parking zone (Auto). If a Call Park button and Call Park (Automatic Park Zone) button have been established, you can select either way to park by simply pressing the corresponding button.

When a call is parked automatically, or more than one call has been parked at the same time, you need to specify the parking zone number to retrieve the required call.

To set

PT/PS


During a conversation


(Call Park)




Press **Call Park**.

PT/PS

During a conversation


TRANSFER


▶


▶


parking zone no. Specified

OR

 Auto

▶


C.Tone


On-hook.


Press **TRANSFER**. Enter ***52**.

Enter a specified **parking zone number** (2 digits) or press ***** to park at an idle parking zone automatically.




If you hear a busy tone, enter another parking zone number or press ***** again.

SLT

During a conversation


Recall/hookswitch


▶


  

▶

parking zone no.

▶


C.Tone


On-hook.

Press **Recall/hookswitch**. Enter ***52**.

Enter a specified **parking zone number** (2 digits).

If you hear a busy tone, enter another parking zone number.


To retrieve (Call Park Retrieve)

PT/PS

(Call Park)

Press a flashing **Call Park**.

PT/SLT/PS



Off-hook.

*


5

2


Enter ***52**.

stored parking
zone no.

Dial **stored parking
zone number** (2 digits).



C.Tone



Talk.

- If a call is parked automatically, confirm the parking zone number on the display.

- **If you hear a reorder tone when retrieving a parked call**, there is no held call. Confirm the stored parking zone number.
- After you park a call, you can perform other operations.

Customising Your Phone

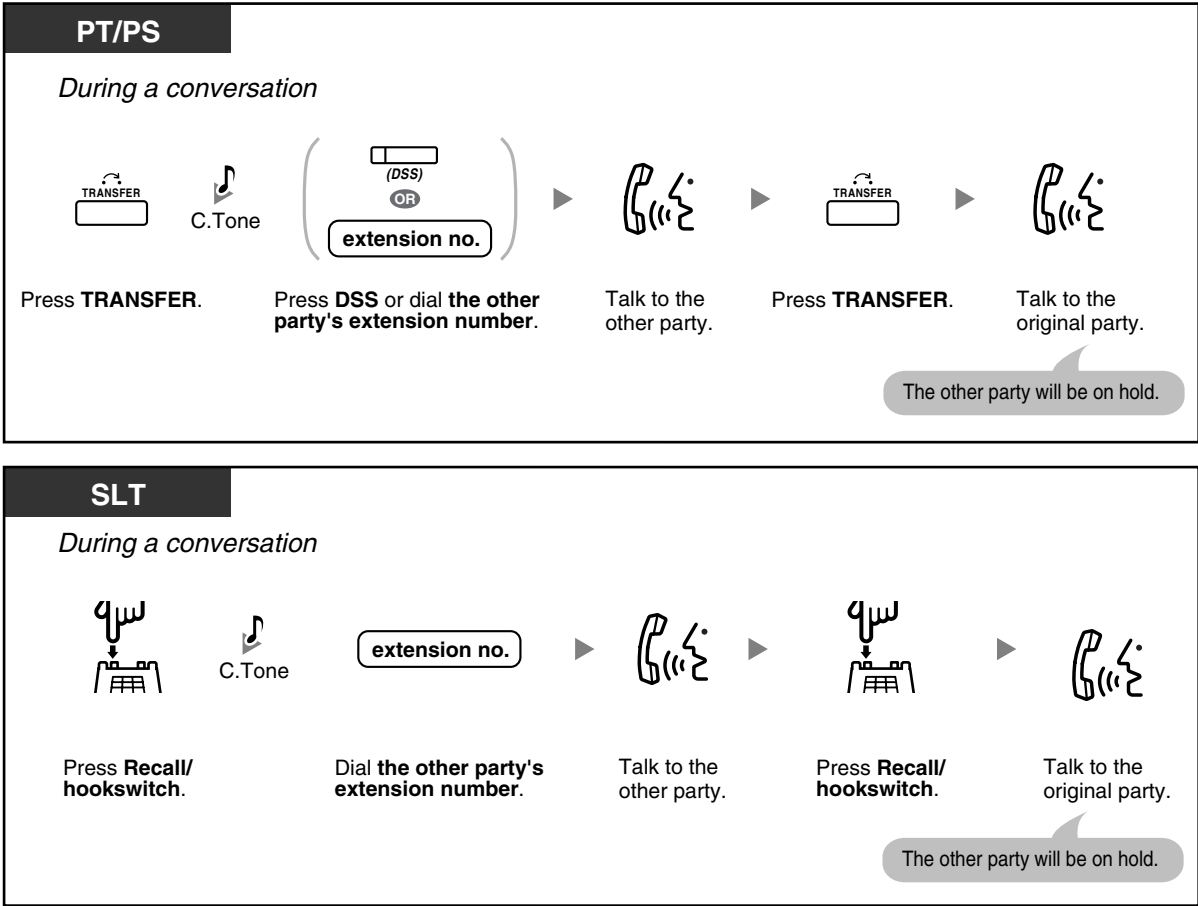
- 3.1.3 Customising the Buttons
Create or edit a Call Park button or Call Park (Automatic Park Zone) button.

62 | User Manual

1.4.3 Talking to Two Parties Alternately (Call Splitting)

When talking to one party while the other party is on hold, you can swap the calls back and forth (alternately).



To alternate between the parties leaving one party on hold temporarily



To leave the conversation and then let the two parties talk

PT/PS




During a conversation



(DSS)

OR

extension no.



Press **TRANSFER**.

Press **DSS** or dial **the other party's extension number**.



Talk to the other party.

Press **TRANSFER**.




On-hook.

SLT

During a conversation



extension no.



Press **Recall/hookswitch**.

Dial **the other party's extension number**.

Talk to the other party.

Press **Recall/hookswitch**.

On-hook.

1.4.4 Answering Call Waiting

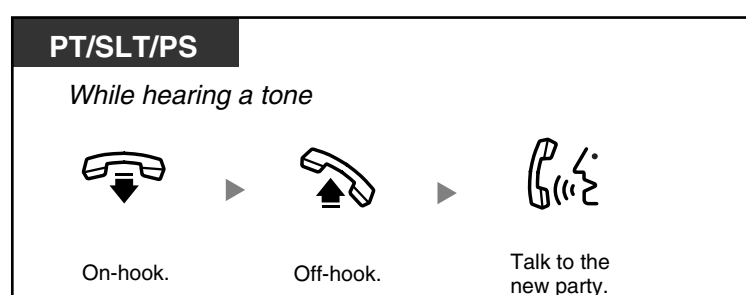
- Answering Call Waiting in the PBX
- Answering Call Waiting from the Telephone Company

◆◆ Answering Call Waiting in the PBX

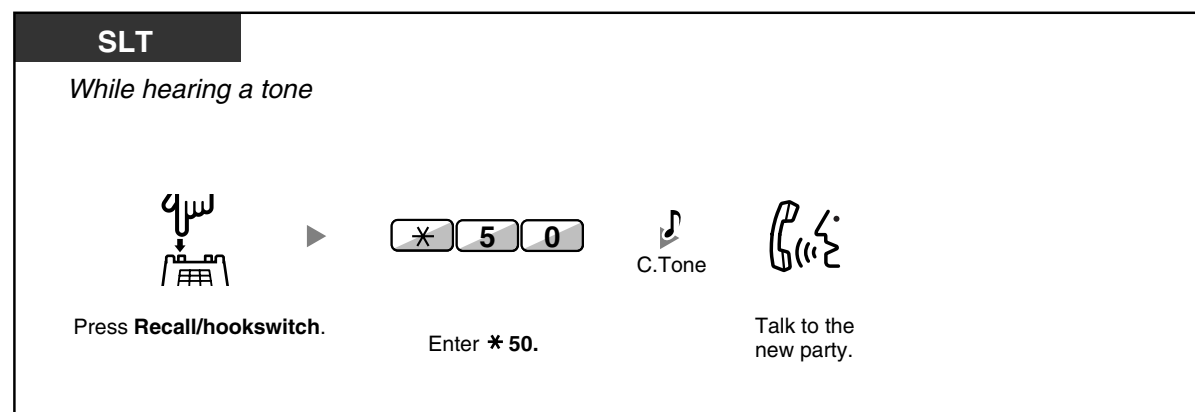
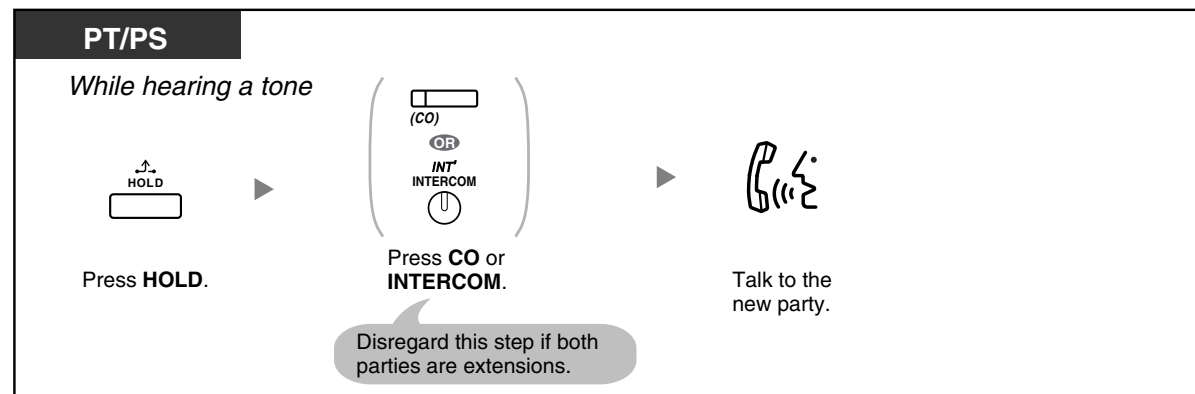
During a conversation, a call waiting tone or voice announcement through the speaker or the handset occurs when an outside call has been received or another extension is letting you know a call is waiting. You must activate this feature to use it. (Default: Disable—No call [Intercom calls]/No tone [Outside calls])

You can answer the second call by disconnecting (1) or holding (2) the current call.

1. To disconnect the current call and then talk to the new party



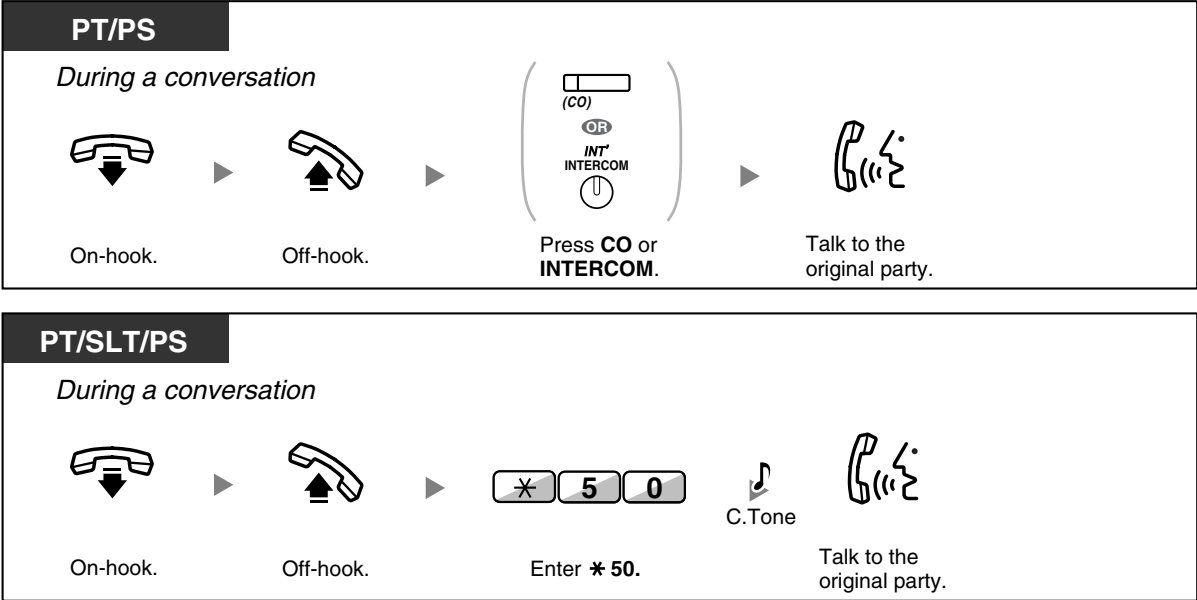
2. To hold the current call and then talk to the new party



1.4 During a Conversation

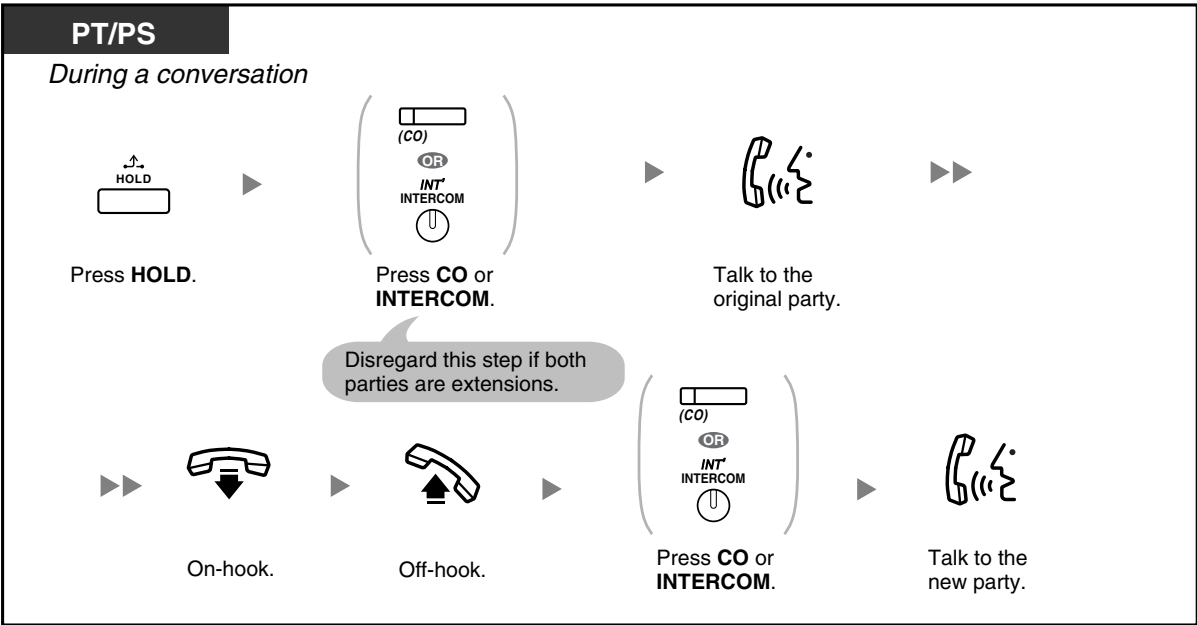
After talking to the new party (second call), you can disconnect (2.1) or hold (2.2) it and then retrieve the first call.

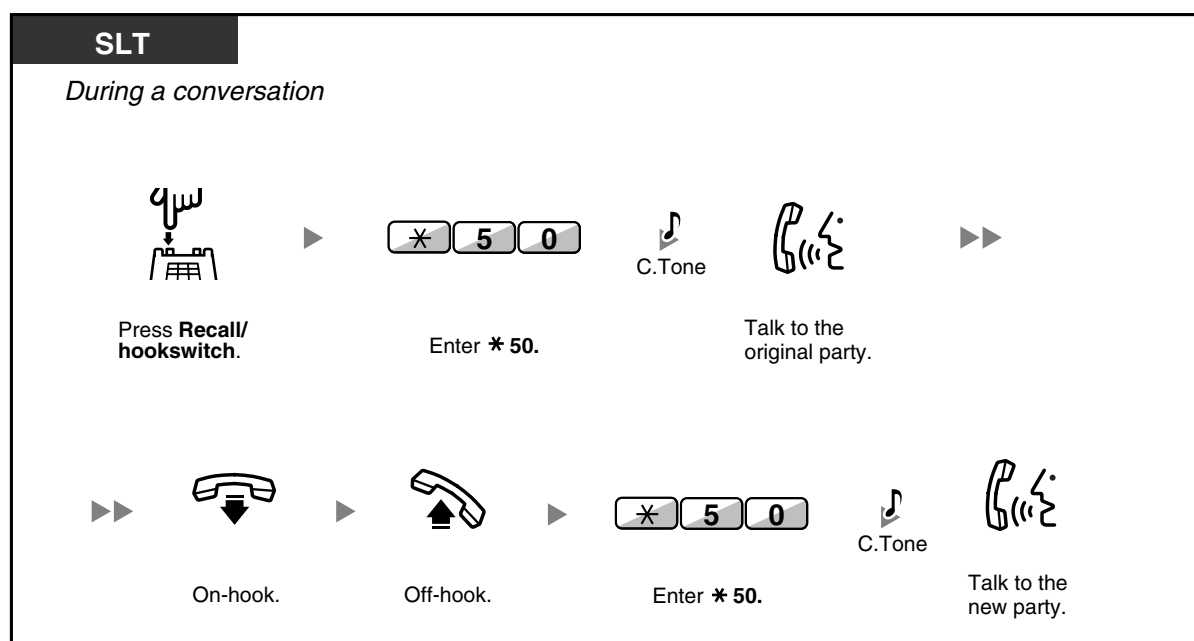
2.1 To disconnect the second call and then talk to the original party



2.2 To hold the second call and then talk to the original party

After holding it, you can talk to the original party. Then, you can disconnect it and then talk to the new party again.



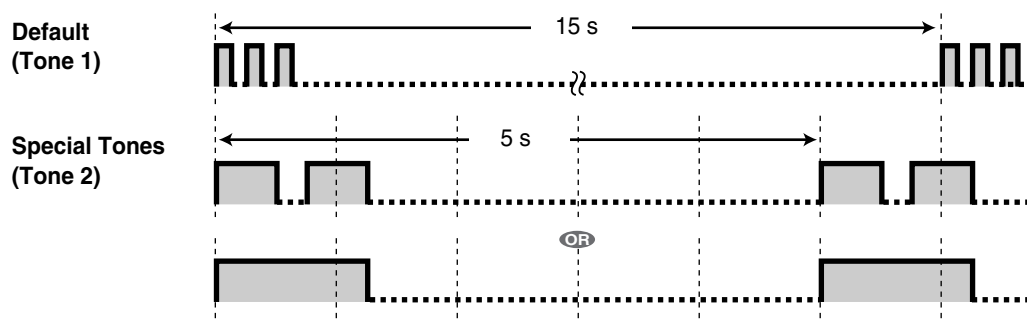


- **Depending on your telephone**, the "Off-hook Call Announcement (OHCA)" and the "Whisper OHCA" features can be used. You can talk to the other party through the speaker and the microphone (OHCA) or you can receive an announcement through the handset (Whisper OHCA), if you are having a conversation using the handset. Refer to "1.7.3 Receiving Call Waiting (Call Waiting/Off-hook Call Announcement [OHCA]/Whisper OHCA)". For telephones capable of using the OHCA and Whisper OHCA features, consult your dealer.
- The caller's name or number is displayed for five seconds in fifteen second intervals while waiting to be answered.



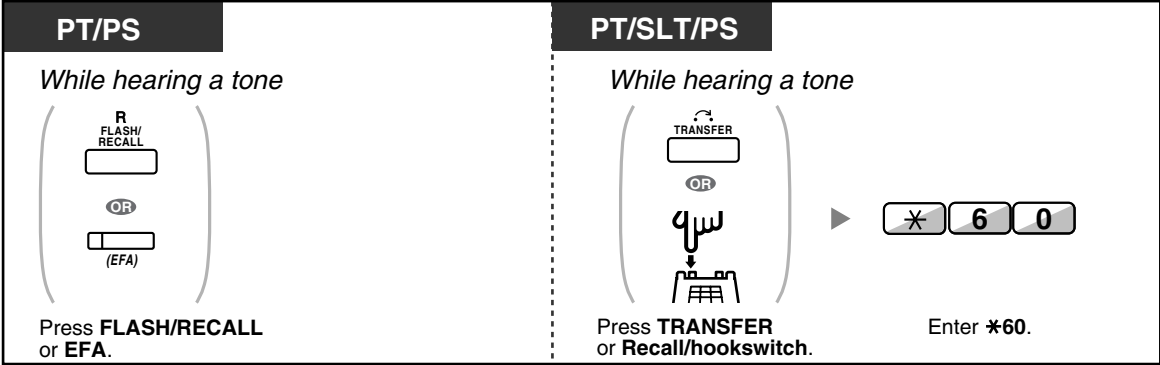
Customising Your Phone


- **3.1.2 Settings on the Programming Mode—Call Waiting Tone Type Selection**
If you select "Tone 1", you will hear the same tone for Call Waiting from an outside party and an extension. If you select "Tone 2", you will hear different tones for Call Waiting from an outside party and an extension.




◆◆ Answering Call Waiting from the Telephone Company

This is an optional telephone company service. You can receive a call waiting tone and the caller's information. For details, consult your telephone company.



- 
- **To return to the original party**, repeat the operation.
 - In this case, FLASH/RECALL button on proprietary telephones is in the External Feature Access (EFA) mode.

- 
- Customising Your Phone**
- 3.1.3 Customising the Buttons
Create or edit an External Feature Access (EFA) button.

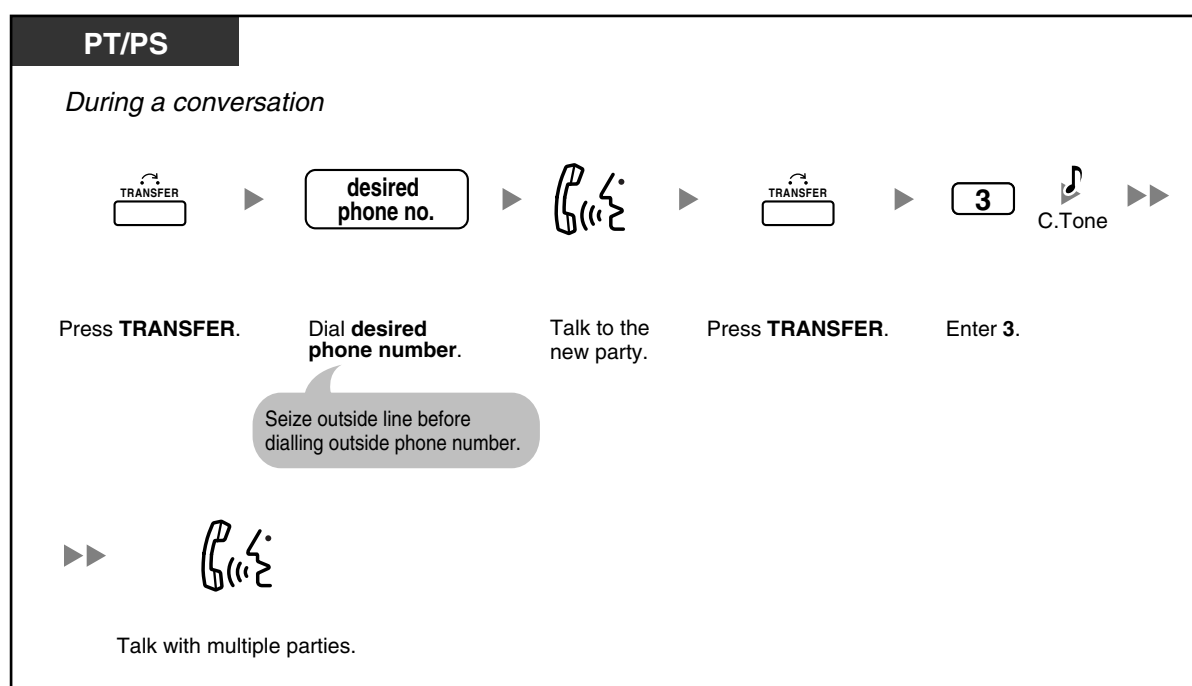
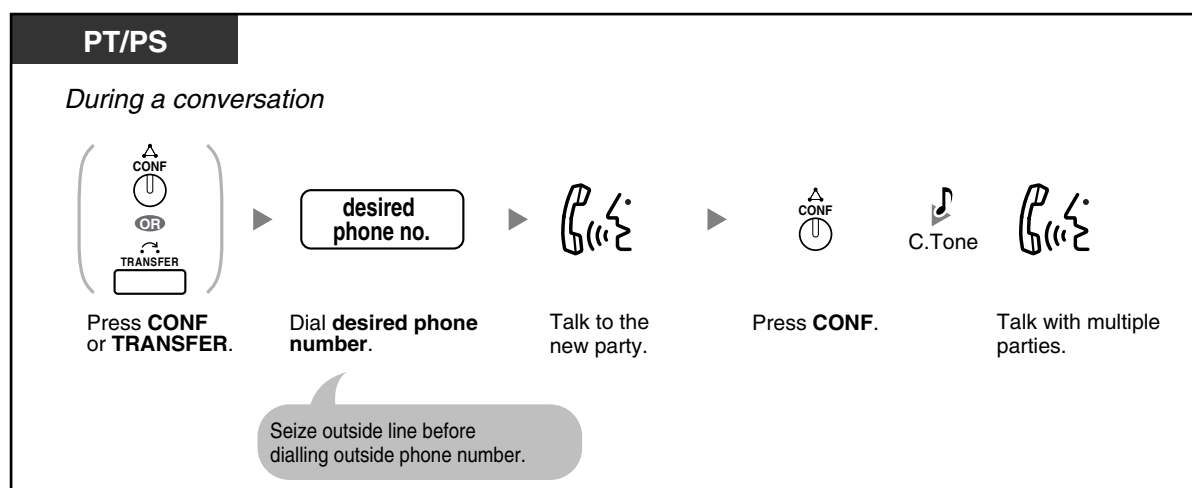
1.4.5 Multiple Party Conversation

- Adding Other Parties during a Conversation (Conference)
- Leaving a Conference (Unattended Conference)
- Leaving a Conference (Leaving Three-party Conference)
- Letting a Third Party Join Your Call (Privacy Release)
- Adding a Third Party during a Conversation Using the ISDN Service (Three-party Conference [3PTY]—by ISDN)

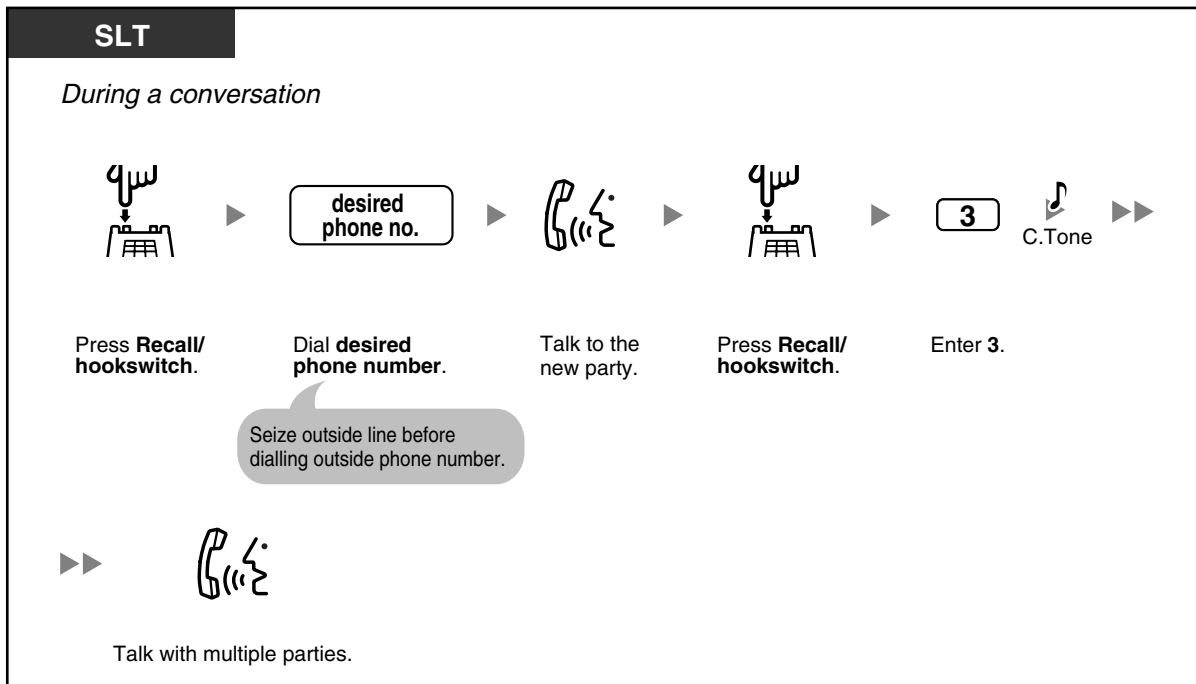
◆◆ Adding Other Parties during a Conversation (Conference)

You can add one or more parties to your conversation.

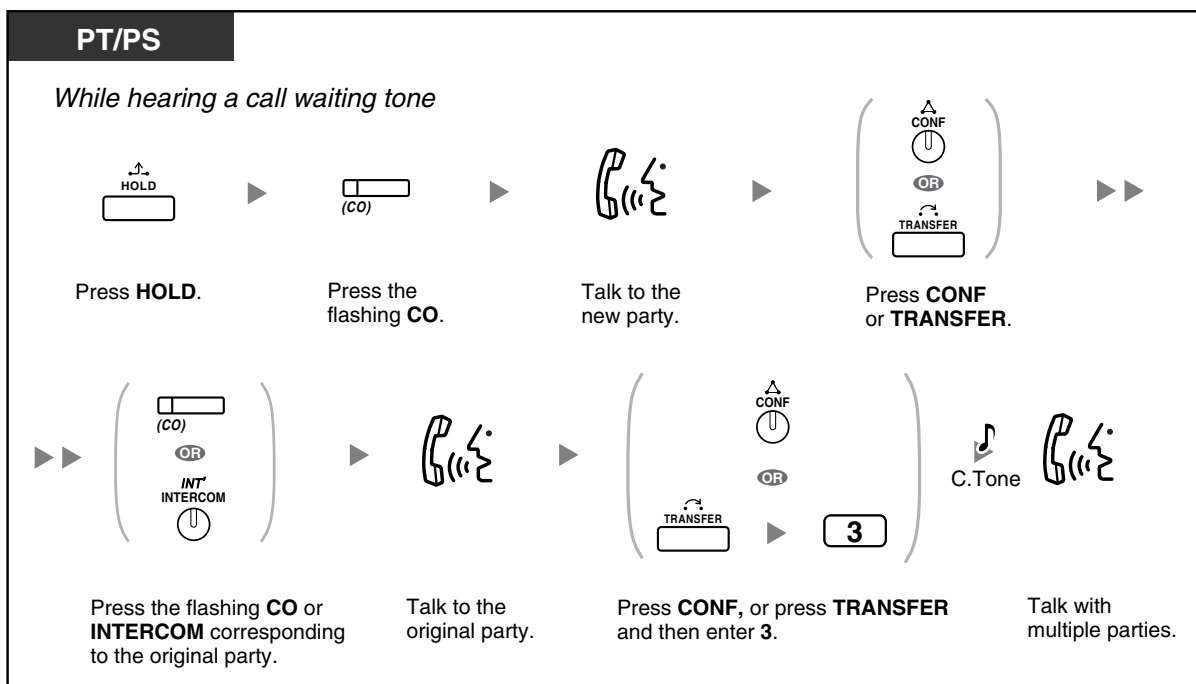
To establish a conference call



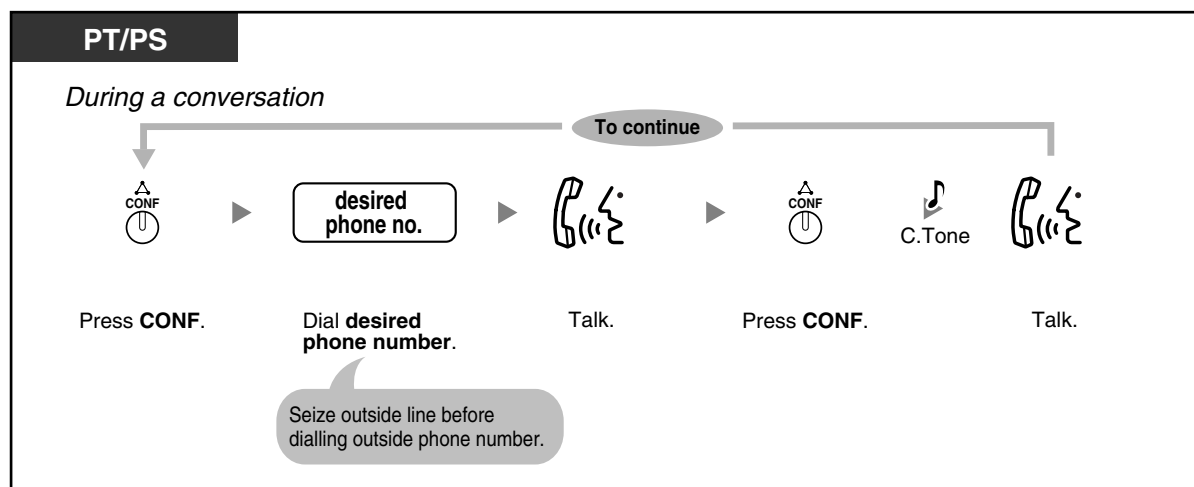
1.4 During a Conversation



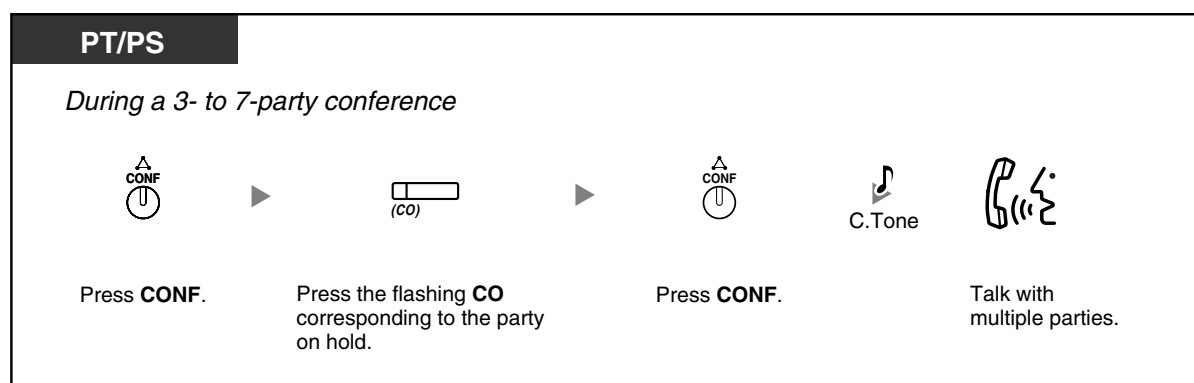
To establish a conference call when receiving a call from an outside party during a two-party conversation



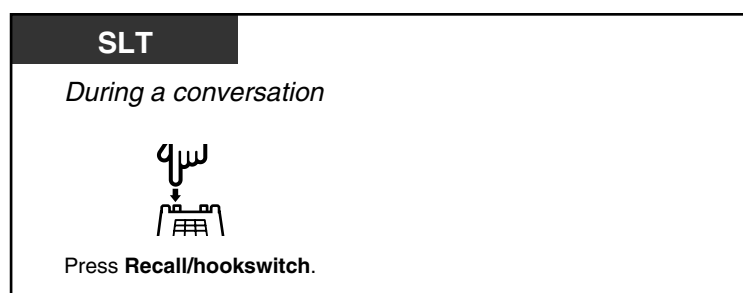
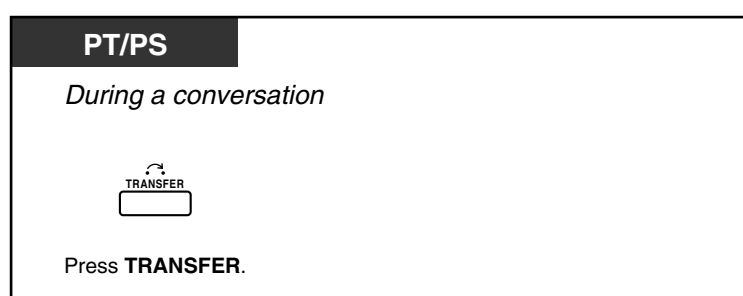
To add four or more parties to a conference



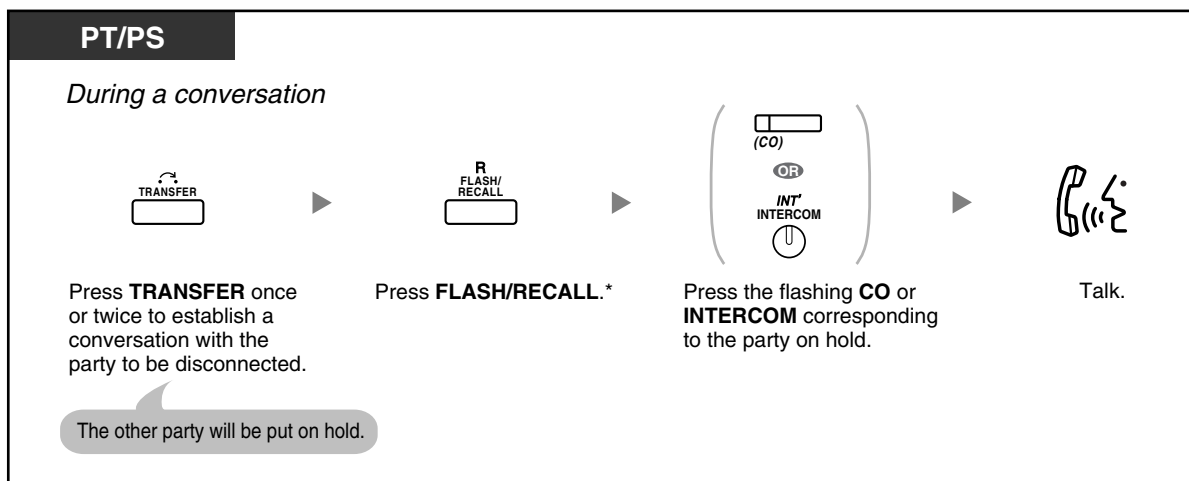
To add an outside party on hold to a conference



To talk to two parties alternately in a three-party conversation



To disconnect one party and then talk to the other in a three-party conversation



- * In this case, the FLASH/RECALL button on a proprietary telephone must be in the Flash/Recall mode.
- During a three-party conversation, pressing the TRANSFER button or Recall/hookswitch alternates between the other parties in the conversation.
- You can have a conference with a maximum of eight parties (comprising intercom or outside lines) simultaneously.
- During a conversation involving four or more parties, you cannot disconnect one party and maintain the conversation with the other parties.



Customising Your Phone

- 3.1.3 Customising the Buttons
Create or edit a Conference button.

◆◆ Leaving a Conference (Unattended Conference)


The other parties can continue their conversation.

To leave a conference



To return while others are talking

PT




Press flashing green **CO** or **INTERCOM**.

To complete a conversation

PT/SLT/PS

During a conversation



On-hook.



- **Time limit**
Both parties will hear an alarm tone before a specified timeout. The originating extension will hear an alarm tone before timeout. The call is disconnected when the time runs out unless the originating extension returns to the conference.



Customising Your Phone

- 3.1.3 Customising the Buttons
Create or edit a Conference button.


◆◆ **Leaving a Conference (Leaving Three-party Conference)**

The other two parties can continue their conversation.

To leave a conference

PT/PS

During a three-party conference






Press **TRANSFER**.

On-hook.

1.4 During a Conversation

SLT

During a three-party conference




Press **Recall/hookswitch**. On-hook.

To complete a conversation

PT/SLT/PS

During a conversation



On-hook.



- To leave a conference call involving an outside party or parties and have the conference continue, it is necessary to enable your extension to transfer calls to outside lines through COS programming. Consult your dealer.

◆◆ Letting a Third Party Join Your Call (Privacy Release)



You can let a third party join your current outside call.




To set

PT/PS

During a conversation




Press green **S-CO**.




Press flashing green **S-CO** within 5 seconds.

To prolong, press **S-CO** again.



C.Tone



Talk.

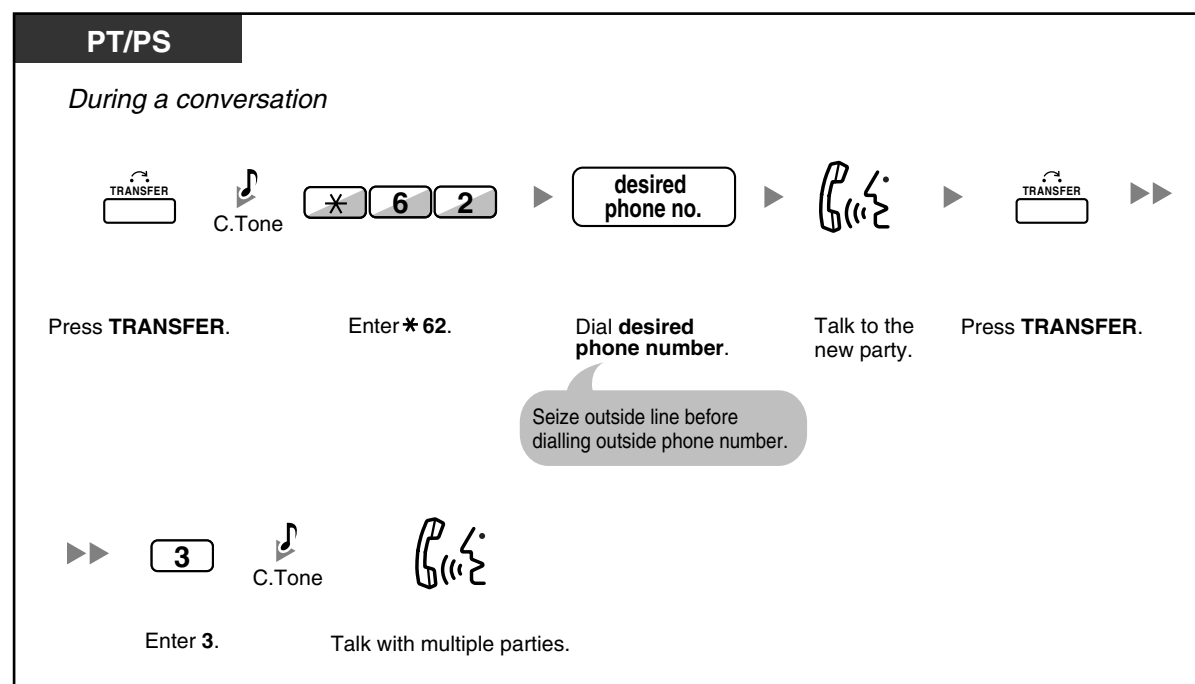
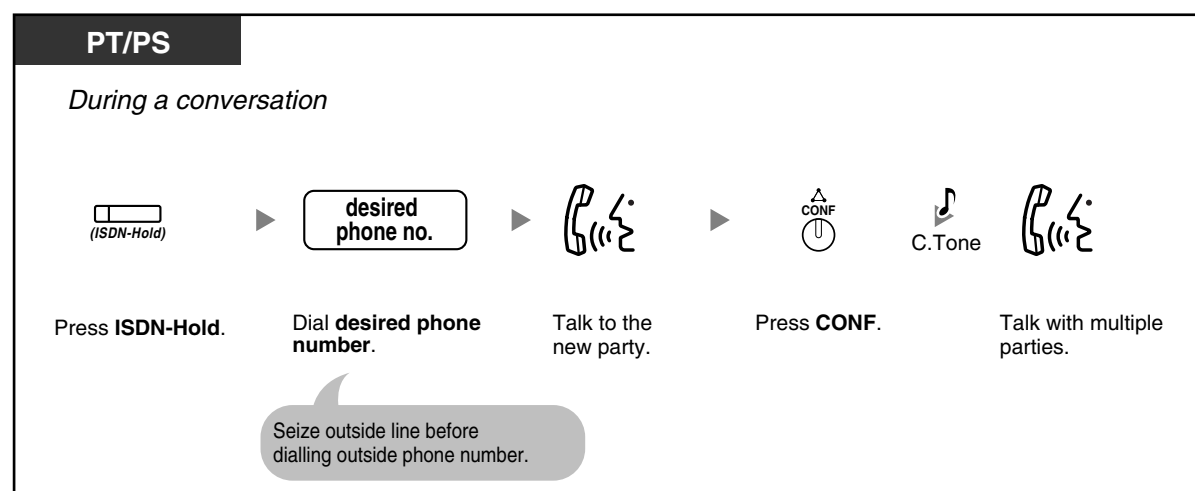
A three-party conversation is now established.

Ask the third party to perform the step below.

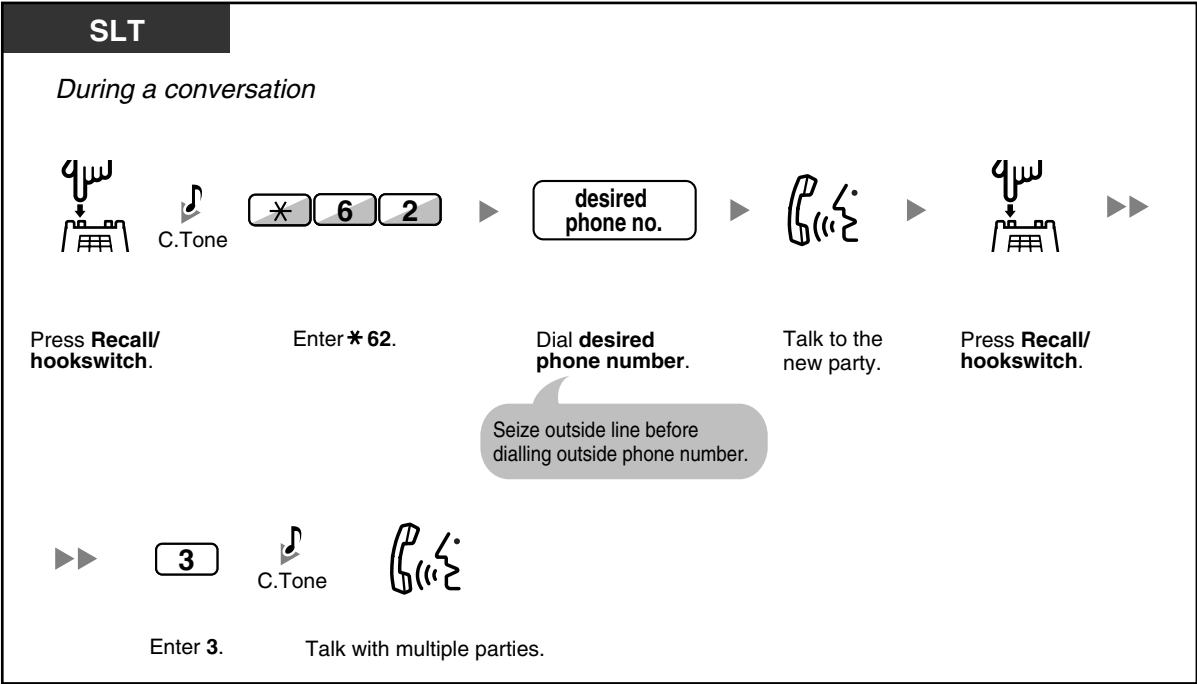


- Only an S-CO button can be used for this operation.

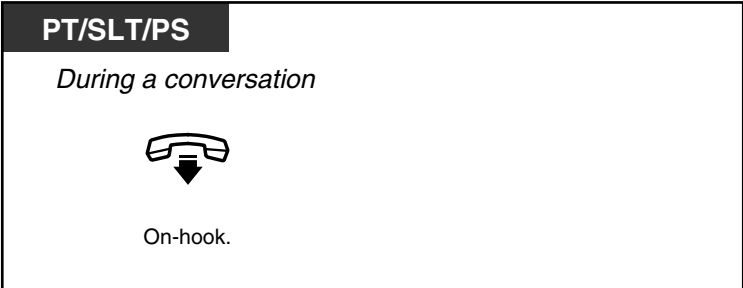
◆◆ Adding a Third Party during a Conversation Using the ISDN Service (Three-party Conference [3PTY]—by ISDN)



1.4 During a Conversation



To complete a conversation



Customising Your Phone

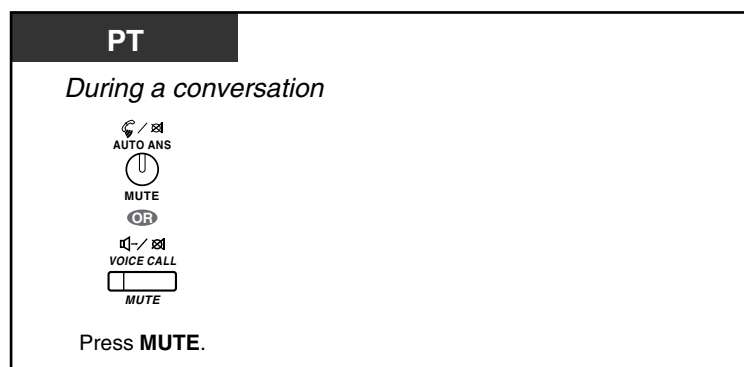
- 3.1.3 Customising the Buttons
Create or edit an ISDN-Hold button.

1.4.6 Mute

You can disable the microphone or the handset to consult privately with others in the room while listening to the other party on the phone through the speaker or the handset.



To set/cancel



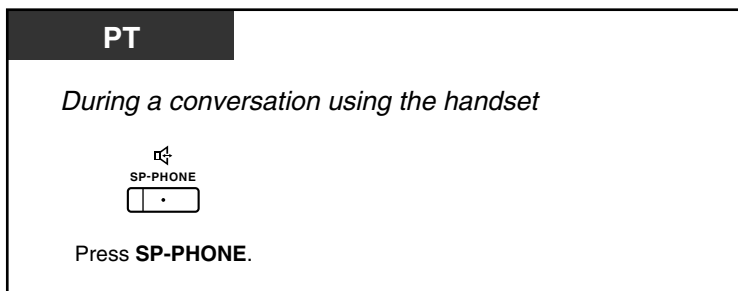
- The AUTO ANS/MUTE or VOICE CALL/MUTE button light shows the current status as follows:
Off: Normal
Flashing red: Mute
- If mute is used during OHCA, it will become Handset Mute.

1.4.7 Letting Other People Listen to the Conversation (Off-hook Monitor)

You can let other people in the room listen to the conversation through the speaker while continuing the conversation using the handset.



To set/cancel



- The SP-PHONE button light shows the current status as follows:
Off: The voice is heard through the handset.
On: The voice is heard through the speaker and the handset.
- This feature is controlled work by programming. Ask your manager.
- This feature may not be available with certain proprietary telephones. For more details, consult your dealer.



- **Hands-free operation**
You can have a conversation in hands-free mode using the SP-PHONE button. You can perform other tasks simultaneously.
Helpful hints for hands-free operation:
 - **If it is difficult to hear the other party's voice;**
Raise the sound level using the Speaker Volume Control.
 - **If the other party has difficulty hearing you;**
Lower the sound level.
 - **Absorbing echoes;**
Using this unit in a room which has curtains or carpeting or both.
 - **To avoid missing part of the conversations;**
If you and the other party speak at the same time, parts of your conversation will be lost. To avoid this, speak alternately.

1.4.8 Using the Headset (Headset Operation)

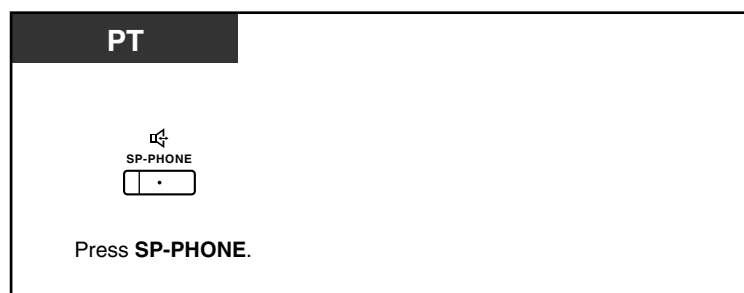
You can have a conversation using a headset.

In this case, you must select "Headset on" in programming mode or set the Headset button on (red) in advance.

This feature is also known as Handset/Headset Selection.



To talk using the headset



To use the handset during a conversation using the headset



To talk in hands-free mode during a conversation using the headset



- The Headset button light shows the current status as follows:
Off: Headset mode off
Red on: Headset mode on
- This feature is not available for the KX-T7665.



Customising Your Phone

- 3.1.2 Settings on the Programming Mode—**Headset Operation**
Select the equipment to use.
- 3.1.3 Customising the Buttons
Create or edit a Headset button.

1.5 Before Leaving Your Desk

1.5.1 Forwarding Calls

- Forwarding Your Calls (Call Forwarding [FWD])
- Forwarding Your Calls Using ISDN Service (Call Forwarding [CF]—by ISDN)

◆◆ Forwarding Your Calls (Call Forwarding [FWD])

You can have your incoming calls forwarded to a specified destination.

All Calls:

All calls are forwarded. Preset extensions may also forward from their own receiving group.

Busy:

All calls are forwarded when your extension is busy.

No Answer:

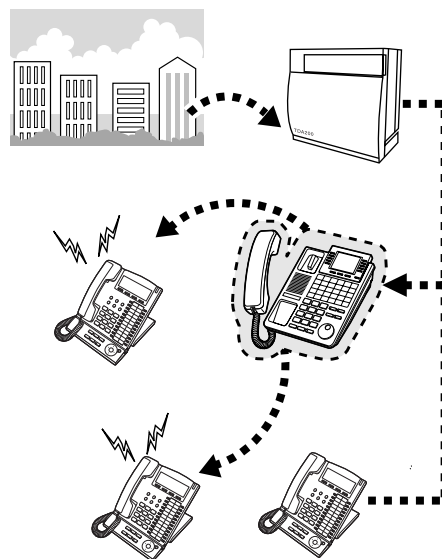
All calls are forwarded when you do not answer the call within a specified time period.

Busy/No Answer (BSY/NA):

All calls are forwarded when you do not answer within a specified time period or when your extension is busy.

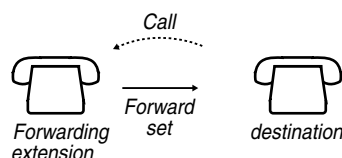
Follow Me (From):

If you fail to set the above-mentioned "All Calls" to forward before you leave your desk, you can set the same feature from the destination extension.

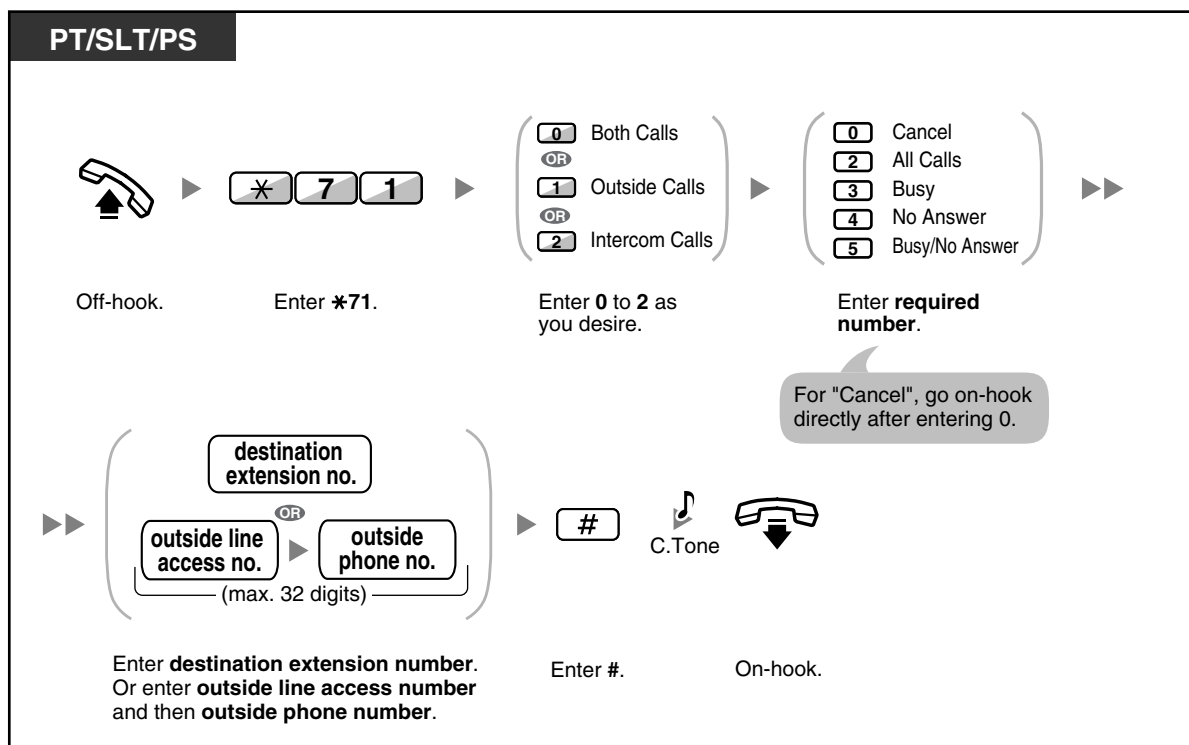


- You can set the voice mail floating extension number as a forward destination to receive calls into your mailbox.
- You can set your mobile telephone as the forward destination. The voice mail can be used to receive calls if you are unable to answer.
- Incoming calls can be forwarded up to four times.
- **Boss & Secretary feature**
The extension which has been set as the destination can call the forwarding extension.

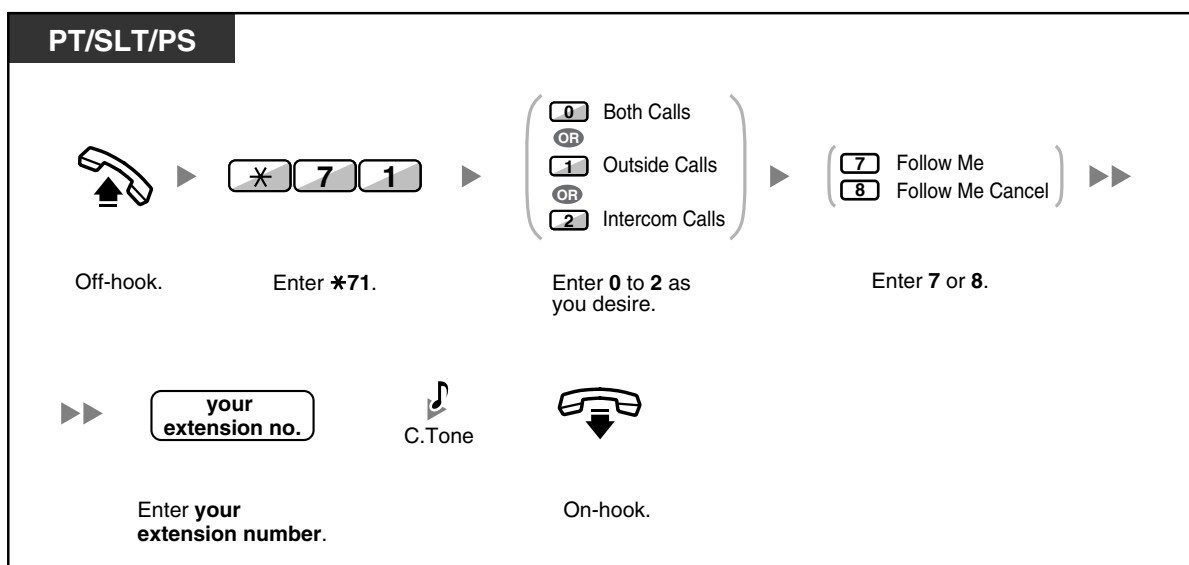
<Example>



To set/cancel

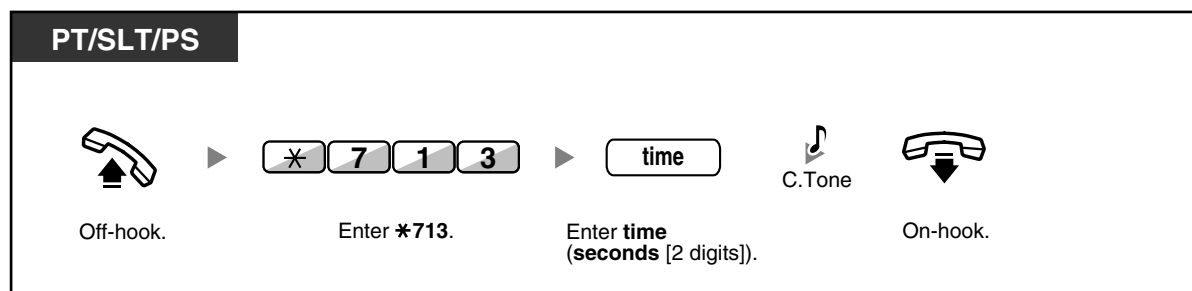


To set from another extension

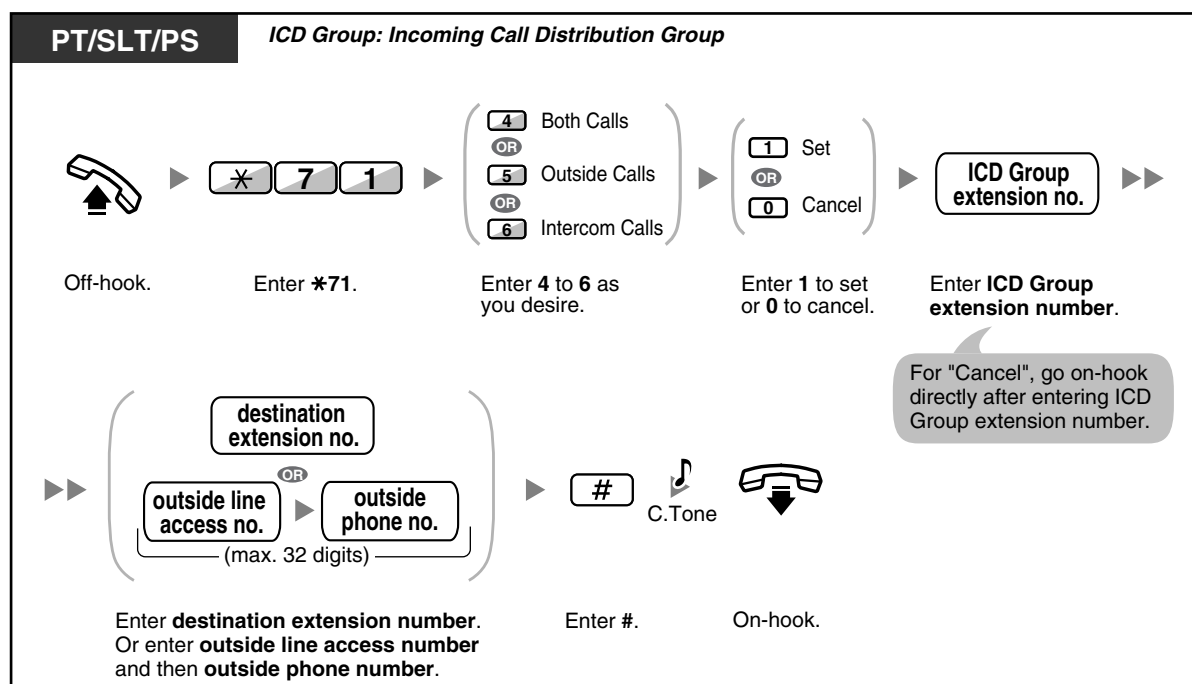


- When using a proprietary telephone, you can set or cancel Call Forwarding by pressing the FWD/DND button (fixed button) instead of "*710".

To set the timer for "No Answer" and "Busy/No Answer"



To set/cancel (Call Forwarding [FWD] for your Incoming Call Distribution Group)

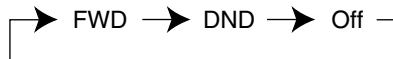


- The FWD/DND button light shows the current status as follows:
Off: Both features are not set.
Red on: FWD mode
Flashing red slowly: DND mode
- The Group FWD button light shows the current status as follows:
Off: No set
Red on: FWD mode

- The system has two modes: (1) FWD/DND Cycle Switch Mode and (2) FWD/DND Setting Mode. Ask your manager what mode your system is in if you are not sure.

(1) When in the FWD/DND Cycle Switch Mode:

Pressing the FWD/DND button (fixed button) while in idle status will cycle the setting as shown below:



(2) When in the FWD/DND Setting Mode:

Pressing the FWD/DND button (fixed button) while in idle status will take you directly to the programming mode for the FWD/DND setting.

(Refer to "3.1.2 Settings on the Programming Mode".)

Note

A FWD/DND button (customised button) is always in FWD/DND Cycle Switch Mode: the mode cannot be changed.

- Transferred outside calls are also forwarded to the destination assigned for outside calls.
- When intercom calls are set to be handled differently from outside calls (forwarding type, forward destination), we recommend establishing buttons for both FWD/DND—Outside calls and FWD/DND—Intercom calls, and/or Group FWD—Outside calls and Group FWD—Intercom calls, because:
 - a) the light patterns of the FWD/DND—Both calls button (including FWD/DND button [fixed button]) and the Group FWD—Both calls button will indicate the setting for either outside calls or intercom calls, but not both.

Note

The FWD icon on PS display reflects the setting for outside calls only.

- b) pressing the FWD/DND—Both calls button (including FWD/DND button [fixed button]) or the Group FWD—Both calls button will not change the FWD or DND mode for intercom calls and outside calls separately.



Customising Your Phone

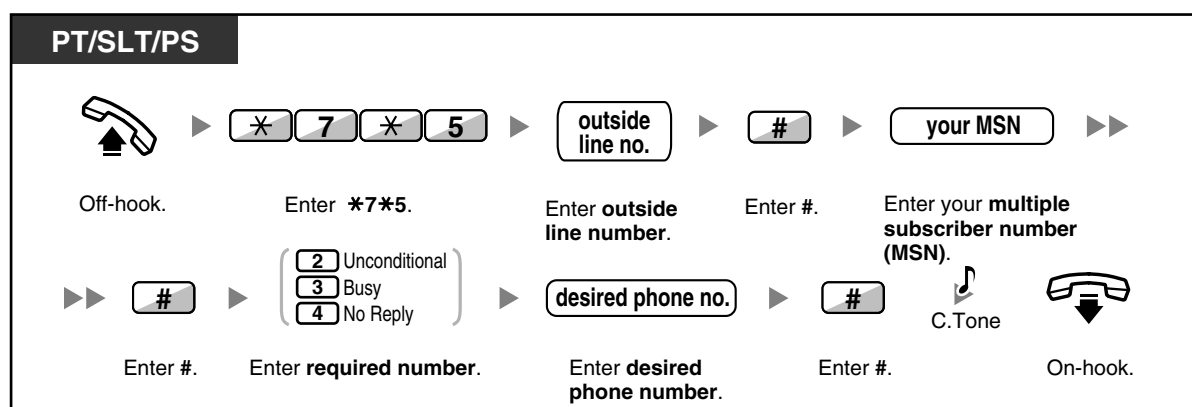
- 3.1.3 Customising the Buttons
Create or edit FWD/DND (Both calls, Outside calls, Intercom calls) buttons, or Group FWD (Both calls, Outside calls, Intercom calls) buttons.

◆◆ Forwarding Your Calls Using ISDN Service (Call Forwarding [CF]—by ISDN)

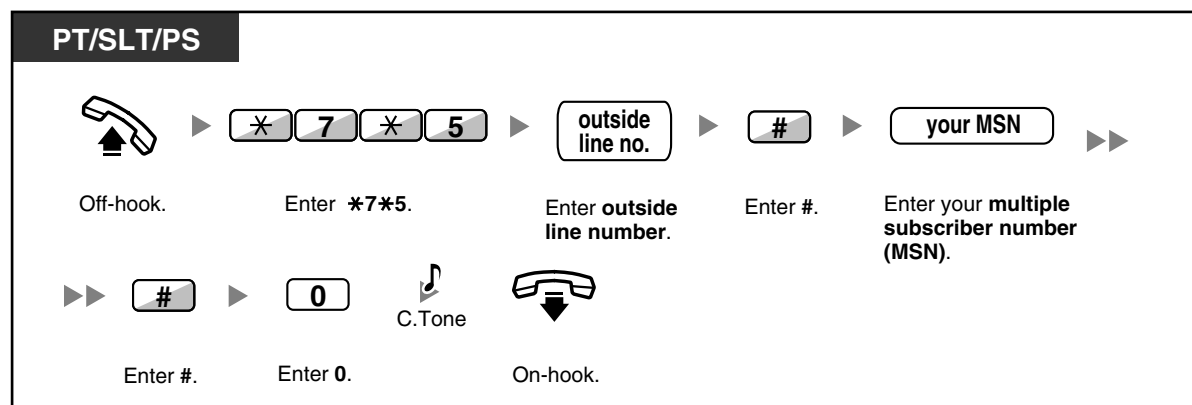
All calls are forwarded to an outside party using ISDN. The following types of call forwarding are provided by the ISDN service.

- Unconditional (**Call Forwarding Unconditional [CFU]**)
- When your extension is busy (**Call Forwarding Busy [CFB]**)
- When you do not answer (**Call Forwarding No Reply [CFNR]**)

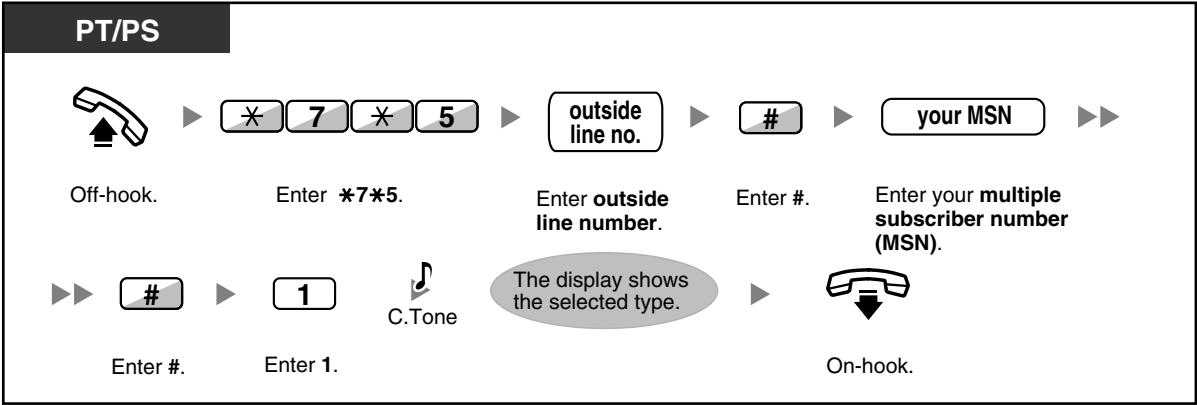
To set



To cancel



To confirm the condition

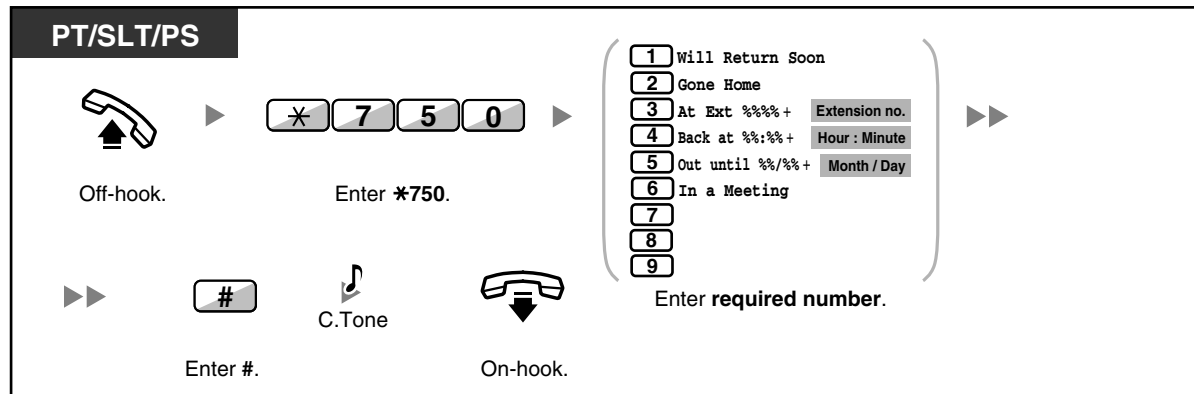


1.5.2 Showing a Message on the Caller's Telephone Display (Absent Message)

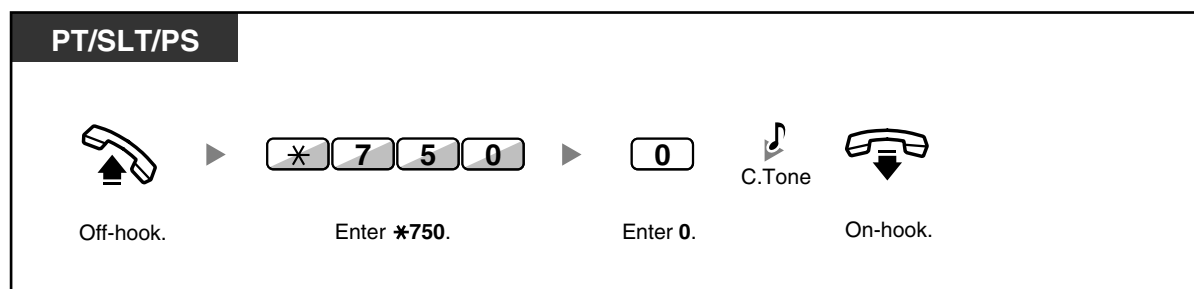
You can show the reason you do not answer, if the caller uses a Panasonic display proprietary telephone. There are eight preprogrammed messages and one for your personal message (16 characters). The selected message is shown on the display of your telephone.

Message no.	Message (Example)
1	Will Return Soon
2	Gone Home
3	At Ext %%% (Extension number)
4	Back at %:%% (Hour:Minute)
5	Out until %/% (Month/Day)
6	In a Meeting
7	
8	
9	A message assigned for each extension. (Personal Absent Message)

To set



To cancel



1.5 Before Leaving Your Desk

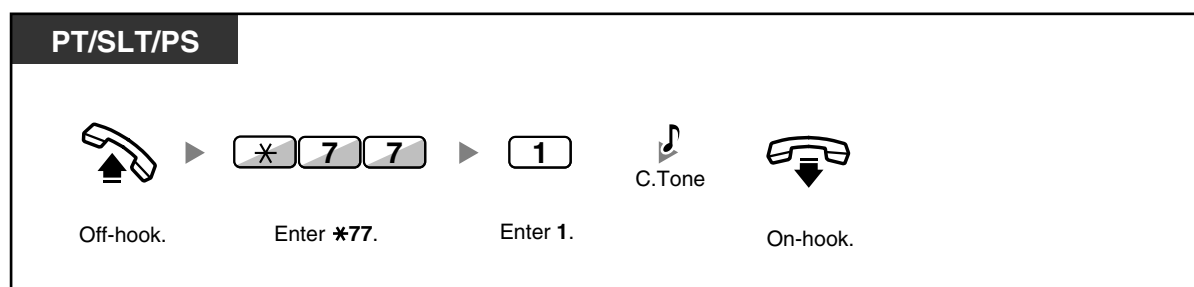


- Enter the desired value in the "%" positions. You must enter the correct number of characters as represented by the "%" using 0 to 9 or ✖.
- The default messages can be changed. Consult your dealer.
- To create your personal message (Message no. 9), refer to "3.1.2 Settings on the Programming Mode".

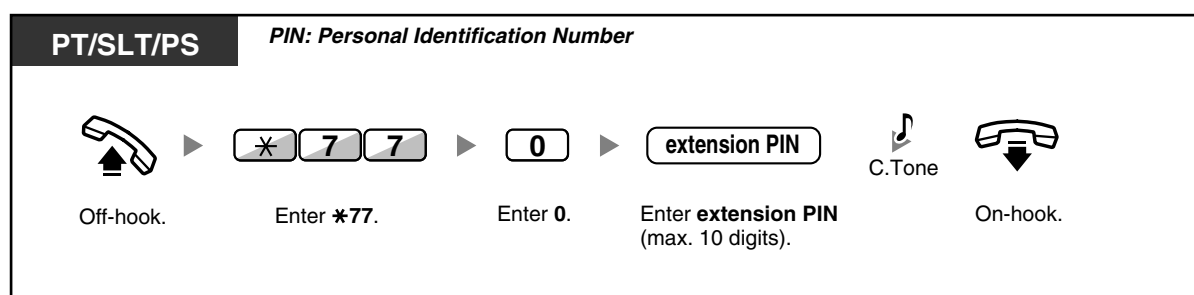
1.5.3 Preventing Other People from Using Your Telephone (Extension Lock)

You can lock your extension so that other users cannot make inappropriate outside calls. This feature is also known as Electronic Station Lockout.

To lock



To unlock



- **If you forget the extension PIN or cannot unlock your phone**, consult your manager. He can clear your extension PIN. Then, you can set the new PIN and unlock your extension by entering it.
- If your extension is locked by this feature, it cannot perform features as follows:
 - Making outside calls
 - Changing the call forwarding destination
- If you do not set extension PIN, you cannot lock and unlock.

1.6 Making/Answering an Announcement

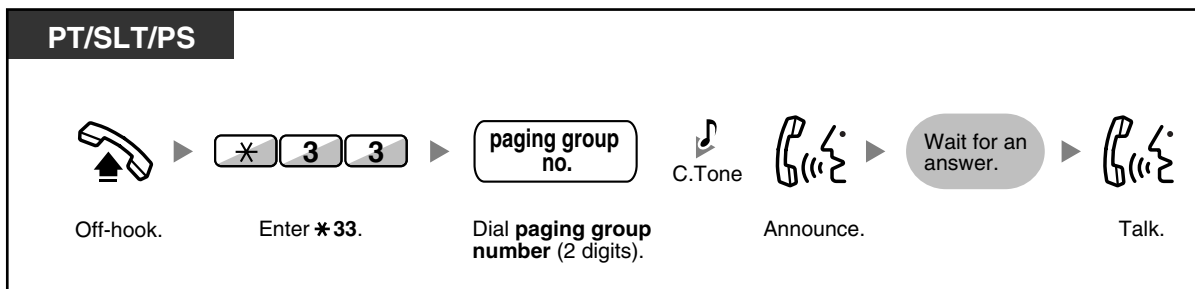
1.6.1 Paging

- Group Paging
- Paging and then Transferring a Call

◆◆ Group Paging

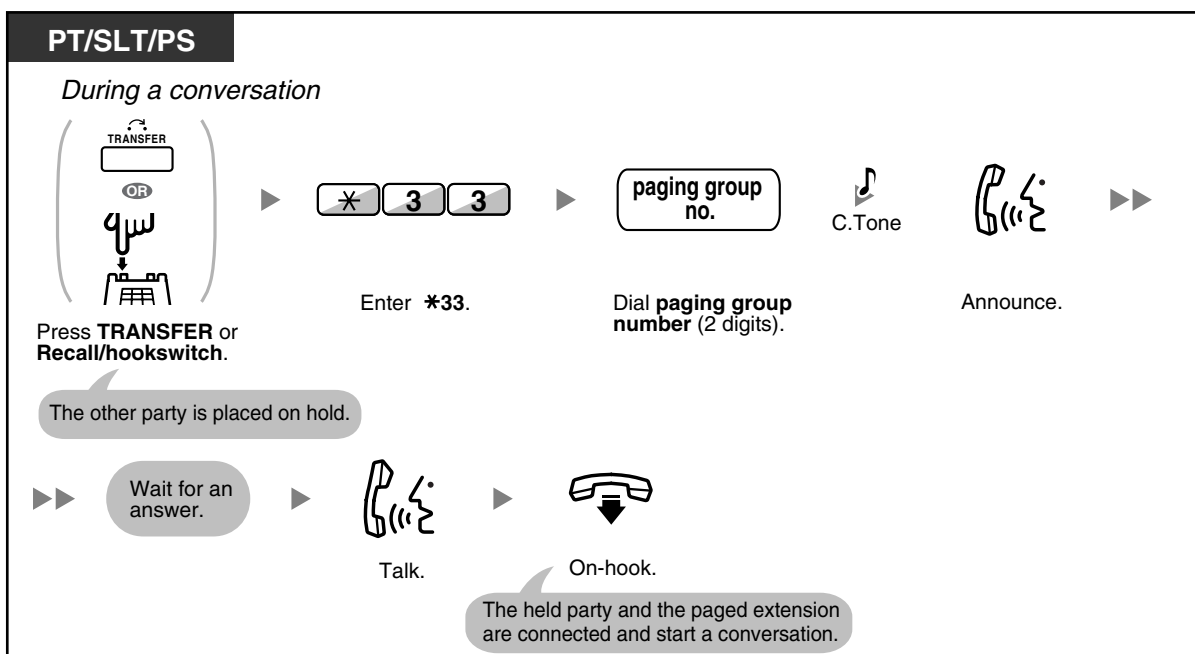
You can make a voice announcement to proprietary telephones or external speakers or both in the preset group simultaneously.

To page



- If the group which you paged is already being used for paging, you hear a busy tone.

◆◆ Paging and then Transferring a Call

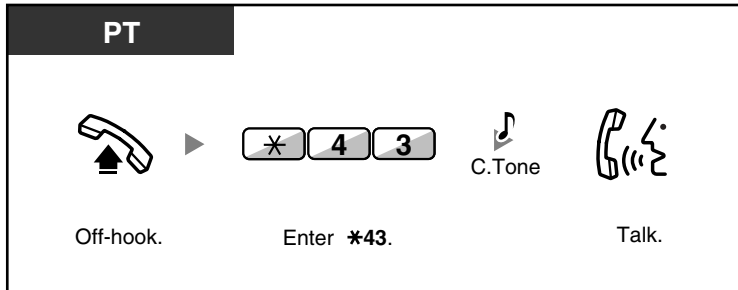




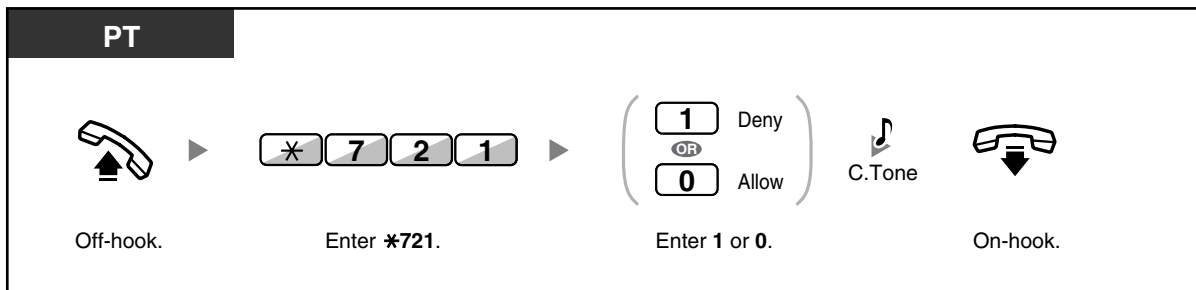
- After you go on-hook, the caller can talk to the person who answers the page.

1.6.2 Answering/Denying a Paging Announcement

To answer



To allow/deny a paging announcement (Paging Deny)

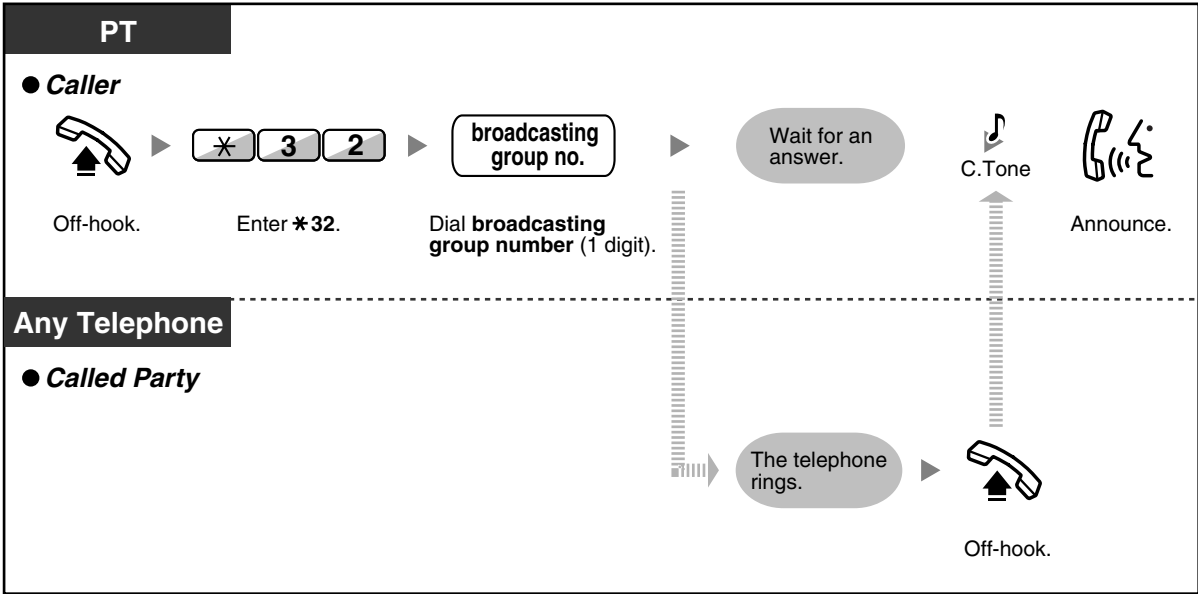


- The following are extensions that cannot receive a paging announcement:
 - Portable station
 - Single line telephone
 - Proprietary telephone that is ringing or busy
 - Proprietary telephone in Paging Deny mode
 - Proprietary telephone in DND mode
- Even if the announcement is not paging your extension, you can answer it, if it is paging your group.

1.6.3 Making an Announcement and Having a Multiple Party Conversation (Broadcasting)

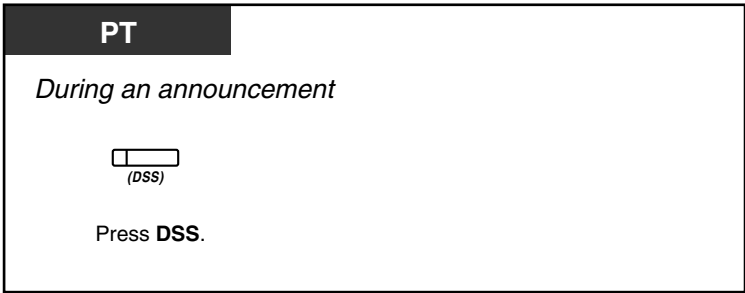
You can call multiple parties assigned in the group and make a voice announcement. You can also establish a multiple party conversation with called parties. This conversation will be heard by other called parties. Called parties can listen to the announcement simply by going off-hook. They can send a notification tone if they want to join the conversation.

To make/answer a broadcasting call



◆ **For a caller**

To make a conversation with a specific party



To make a conversation with a party in the group's preassigned order

PT

During an announcement




Press **CONF**.

To end a conversation with a specific party

PT


During a conversation

- **To end a conversation with a specific party**




Press **DSS**.

- **To end a conversation with the party who joined the conversation last**



Press **TRANSFER**.

- **To disconnect the party who joined the conversation last from the broadcast**



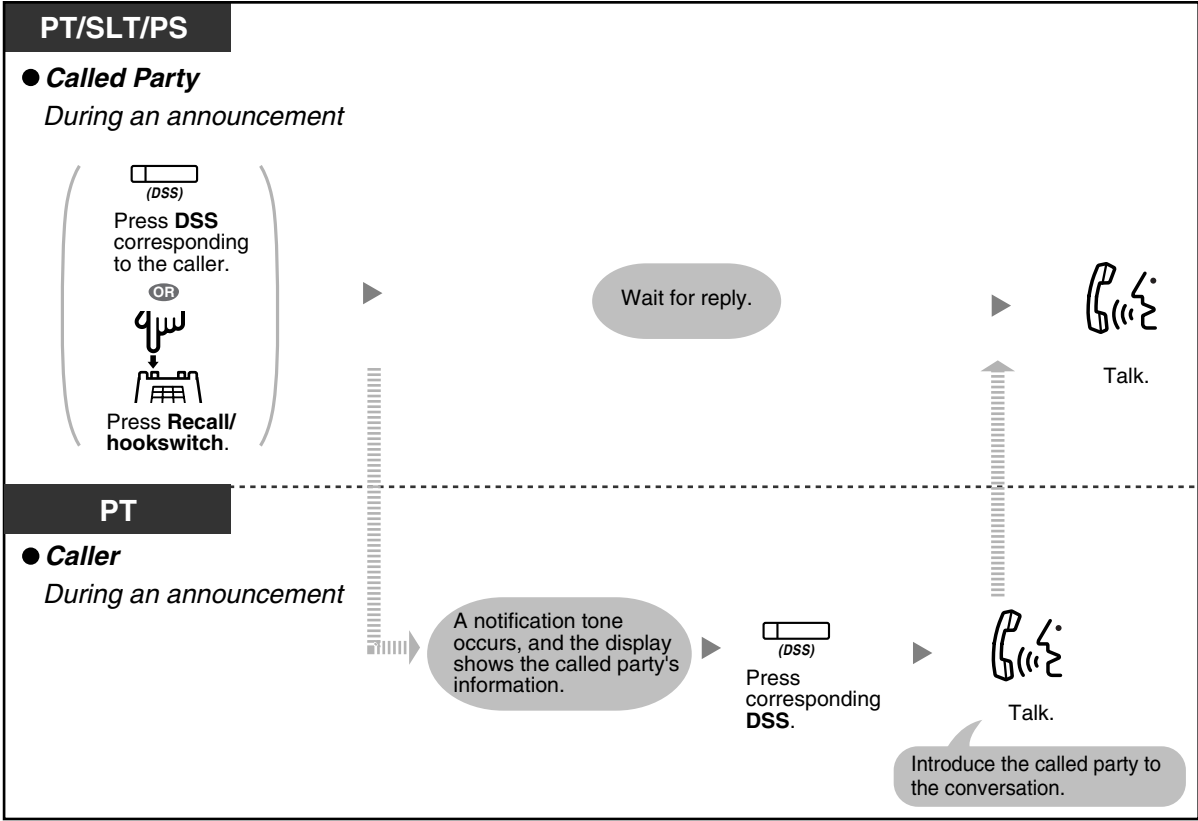
Press **FLASH/RECALL**.



- In this case, FLASH/RECALL button is in the Flash/Recall mode.

◆ For a called extension

To send a notification tone to the caller and join a conversation



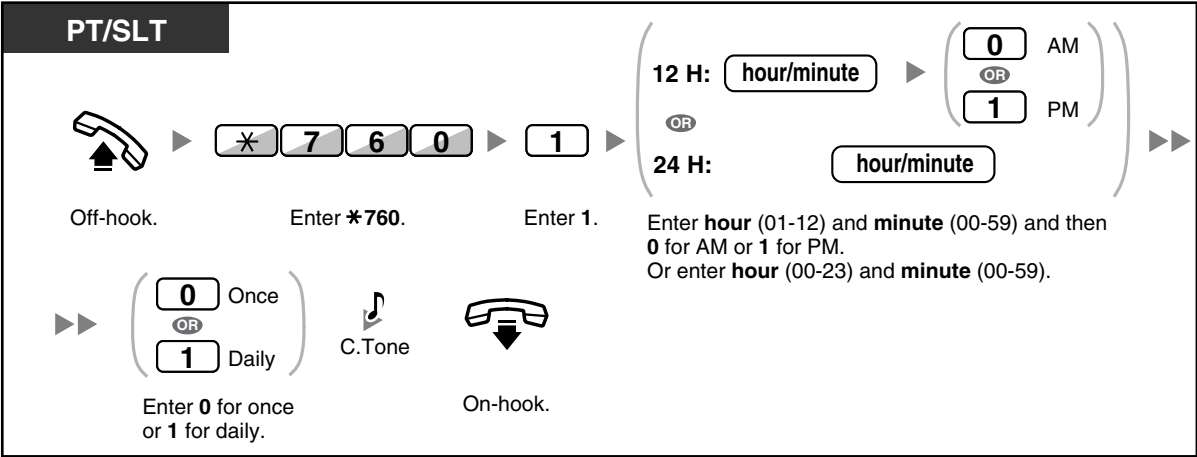
- A conversation can be established with a maximum of 4 parties (including the caller).

1.7 Setting the Telephone According to Your Needs

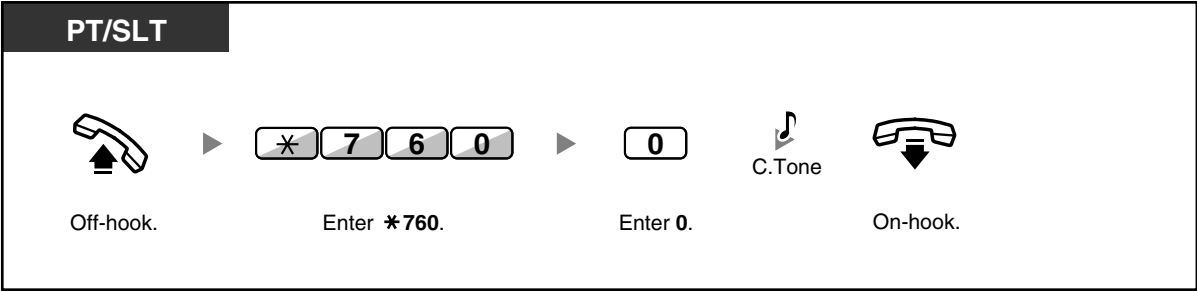
1.7.1 Setting the Alarm (Timed Reminder)

You can receive an alarm at your telephone to remind you of a meeting, appointment or as a wake-up call. The alarm can occur either once or daily (every day until cancelled) at a preset time. When you go off-hook to answer, you will hear a special dial tone or prerecorded message.

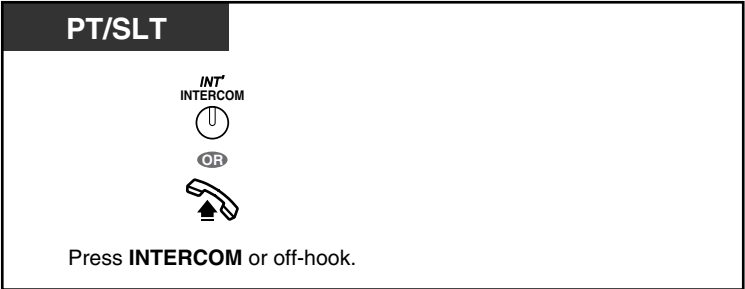
To set

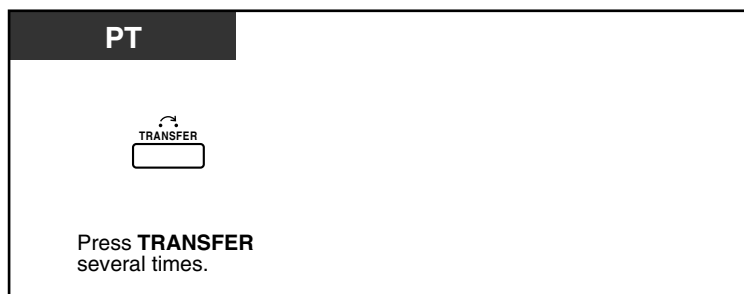


To cancel



To stop or answer the ringback



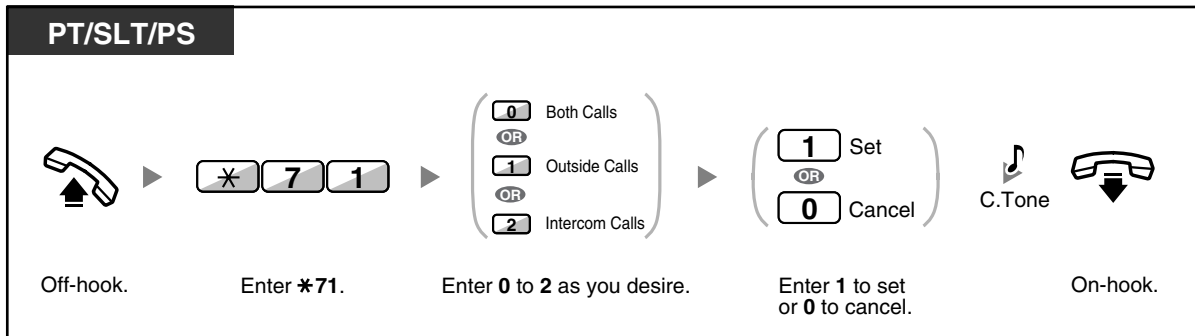
To confirm

- You can also confirm the Timed Reminder by using the soft button.
- The alarm keeps ringing for preprogrammed seconds.
- **If you receive an incoming call during ringback**, the ringing starts after the ringback stops.
- **If you are having a conversation exceeding alarm ringing period**, the ringback will start after your conversation.

1.7.2 Refusing Incoming Calls (Do Not Disturb [DND])

You may set this feature when you are in a meeting or busy.

To set/cancel



- When using a proprietary telephone, you can set or cancel Do Not Disturb by pressing the FWD/DND button (fixed button) instead of "*710".



- The FWD/DND button light shows the current status as follows:
Off: Both features are not set.
Red on: FWD mode
Flashing red slowly: DND mode
- The system has two modes: (1) FWD/DND Cycle Switch Mode and (2) FWD/DND Setting Mode. Ask your manager what mode your system is in if you are not sure.
- (1) When in the FWD/DND Cycle Switch Mode:**
Pressing the FWD/DND button (fixed button) while in idle status will cycle the setting as shown below:



(2) When in the FWD/DND Setting Mode:

Pressing the FWD/DND button (fixed button) while in idle status will take you directly to the programming mode for the FWD/DND setting.
(Refer to "3.1.2 Settings on the Programming Mode".)

Note

A FWD/DND button (customised button) is always in FWD/DND Cycle Switch Mode: the mode cannot be changed.

- If your extension has set this feature, a calling extension will hear DND tone.
- If this feature is set, the Call Forwarding (FWD) feature does not work.
- Specified extensions can override this feature and call DND extensions (DND Override).

- When intercom calls are set to be handled differently from outside calls (DND set/cancel), we recommend establishing buttons for both FWD/DND—Outside calls and FWD/DND—Intercom calls, because:
 - a) the light patterns of the FWD/DND—Both calls button (including FWD/DND button [fixed button]) will indicate the setting for either outside calls or intercoms calls, but not both.

Note

The DND icon on PS display reflects the setting for outside calls only.

- b) pressing the FWD/DND—Both calls button (including FWD/DND button [fixed button]) will not change the FWD or DND mode for intercom calls and outside calls separately.



Customising Your Phone

- 3.1.3 Customising the Buttons
Create or edit FWD/DND (Both calls, Outside calls, Intercom calls) buttons.

1.7.3 Receiving Call Waiting (Call Waiting/Off-hook Call Announcement [OHCA]/Whisper OHCA)

During a conversation, you can be informed of a call waiting with a tone or voice announcement through your built-in speaker or handset. (Default: Disable—No call [Intercom calls]/No tone [Outside calls])

Call Waiting Tone:

a waiting tone through the built-in speaker of PT/handset of SLT. To change the tone from PT, refer to "3.1.2 Settings on the Programming Mode".

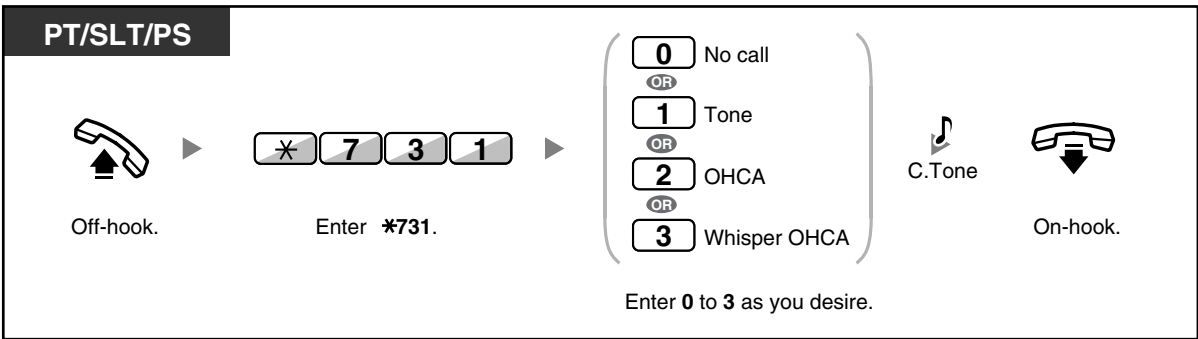
OHCA:

a voice announcement through the built-in speaker

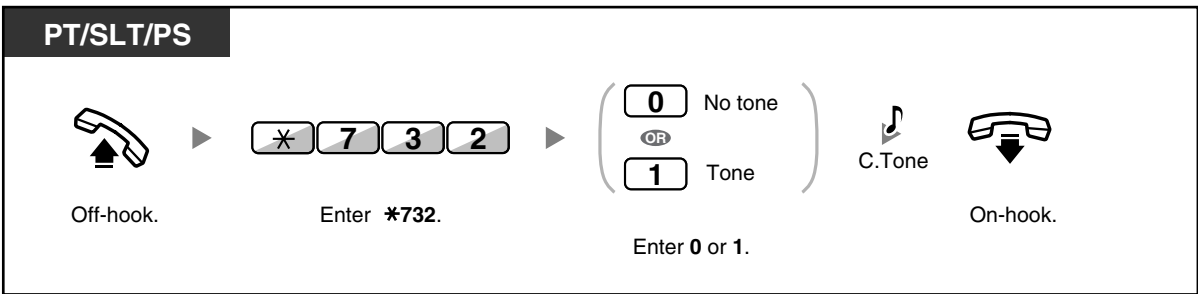
Whisper OHCA:

a voice announcement through the handset

To set/cancel for intercom calls



To set/cancel for outside calls



- OHCA is only available with certain digital proprietary telephones. For more details, consult your dealer.
- Whisper OHCA is only available with certain digital proprietary telephones and IP proprietary telephones. In addition, both you and the other party must use supported telephones. For more details, consult your dealer.

1.7.4 Displaying Your Telephone Number on the Called Party and Caller's Telephone (Calling/Connected Line Identification Presentation [CLIP/COLP])

CLIP:

When making an outside call, you can present your preprogrammed telephone number to the called party.

COLP:

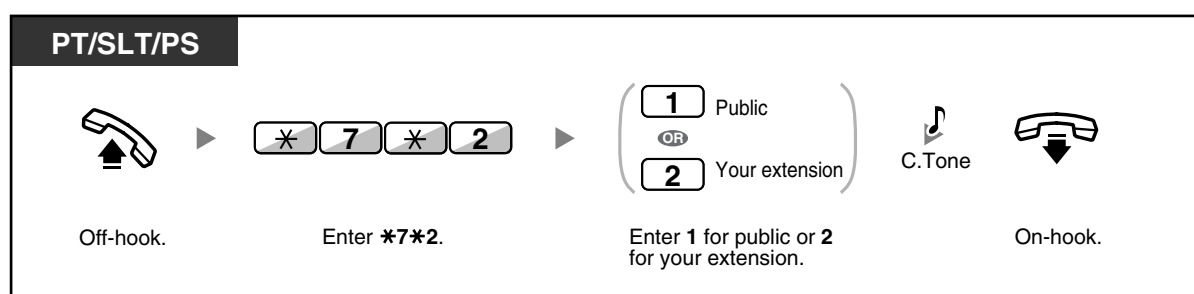
When receiving an outside call, you can present your preprogrammed telephone number to the calling party.

You can select the telephone number sent, either the number of the line used or the number assigned to your extension.

If you select "Public", the calling/called party sees the number of the line used (subscriber's number).

If you select "Your extension", they see the telephone number assigned on your extension.

To show either the number assigned to the outside line or your extension

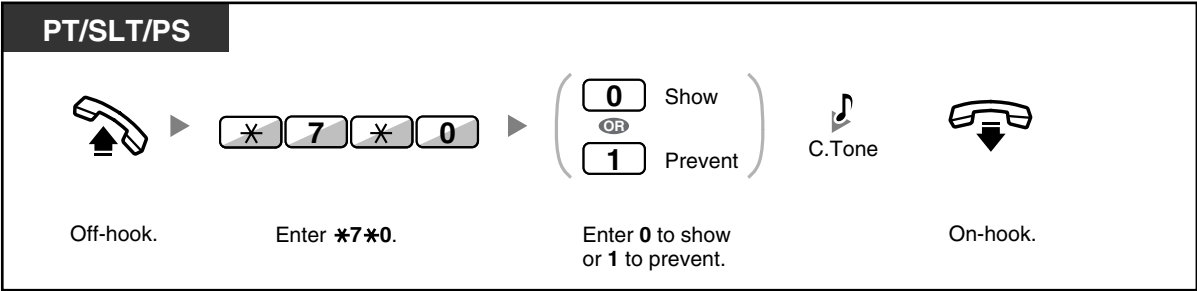


- If you use the ICD Group button to make a call to the other party, the telephone number assigned to the ICD Group will be used.

1.7.5 Preventing Your Telephone Number Being Displayed on the Caller's Telephone (Connected Line Identification Restriction [COLR])

When receiving an outside call, you can select whether the caller can see your telephone number or not.

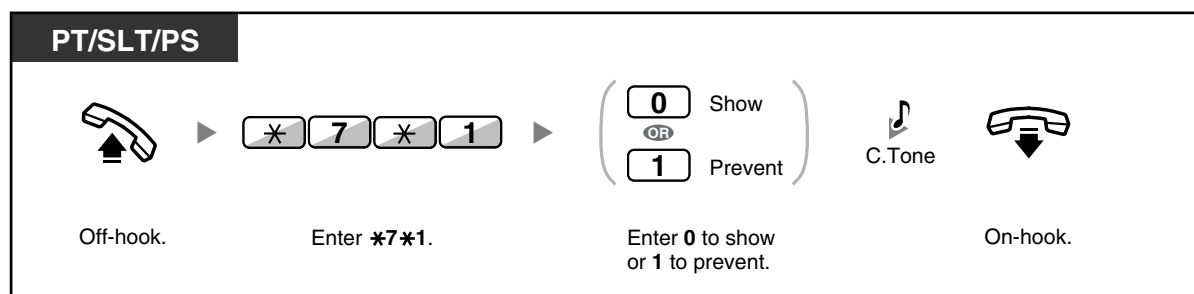
To show/prevent



1.7.6 Preventing Your Number Being Displayed on the Called Party's Telephone (Calling Line Identification Restriction [CLIR])

When making an outside call, you can select whether the called party can see your telephone number or not.

To show/prevent



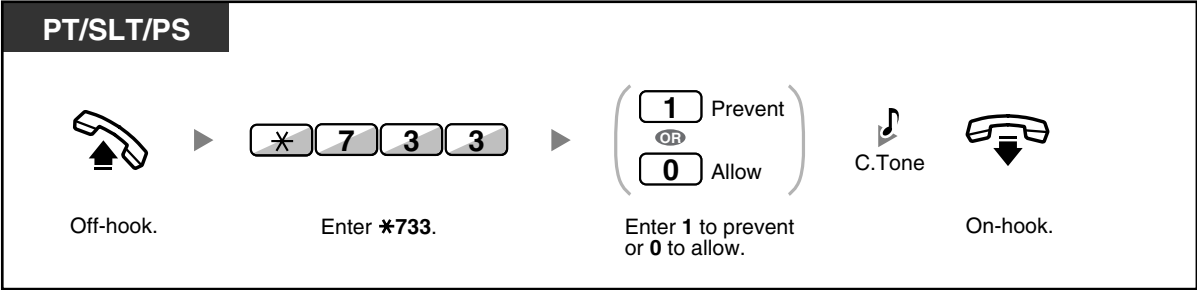
- You can change the mode by pressing a preset CLIR button while on-hook. The CLIR button light shows the current status as follows:
Off: shows your telephone number.
Red on: prevents your telephone number being displayed.
- Availability of this feature depends on the ISDN service of your telephone company.



Customising Your Phone

- 3.1.3 Customising the Buttons
 Create or edit a Calling Line Identification Restriction (CLIR) button.

1.7.7 Preventing Other People from Joining Your Conversation (Executive Busy Override Deny)



- Some extensions may be prohibited from performing this feature.

1.7.8 Turning on the Background Music (BGM)

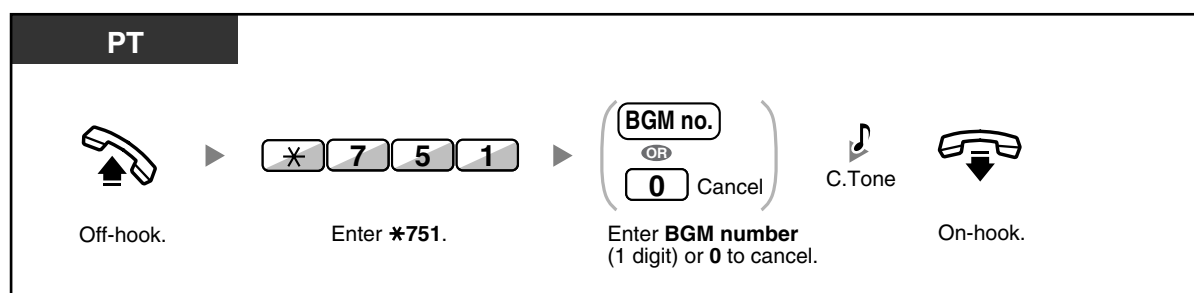
You can listen to the background music through your telephone speaker while on-hook. An external music source, such as a radio, must be connected.

If your extension becomes busy (off-hook, making or receiving a call etc.), the music stops temporarily. When you go back on-hook, the music starts again.

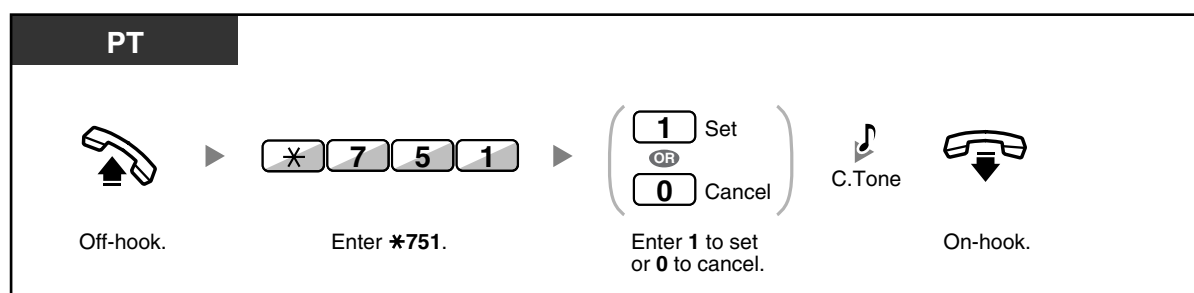


To select and set/cancel

<For users of KX-TDA100/KX-TDA200>



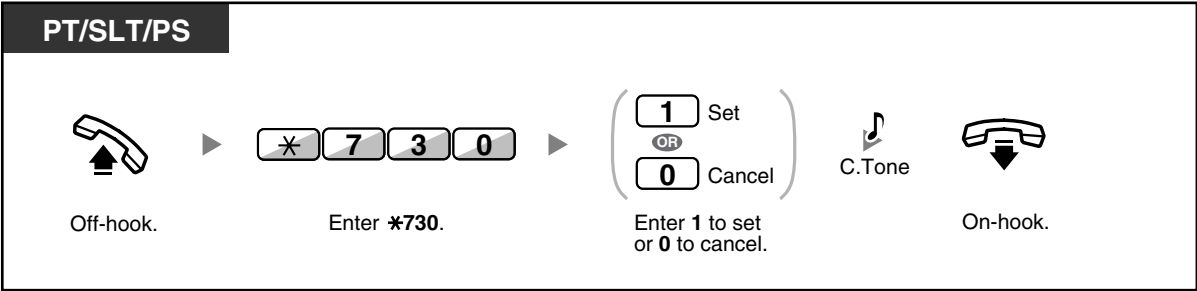
<For users of KX-TDA30>



1.7.9 Protecting Your Line against Notification Tones (Data Line Security)

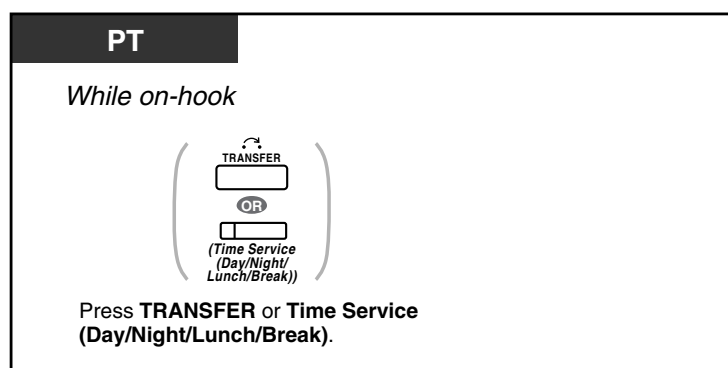
You can protect the line against audible notification tones, such as a call waiting tone during a conversation. Set this feature if your extension has a data communication device, such as a computer or fax machine connected to ensure secure data transmission.

To set/cancel



1.7.10 Checking the Time Service Status

You can check the current status of the Time Service on the display.



- The Time Service (Day/Night/Lunch/Break) button light shows the current status as follows:
 - Off:** Day mode
 - Green on:** Lunch mode
 - Flashing green:** Break mode
 - Red on:** Night mode
 - Flashing red:** Holiday mode
- Any extension user except the managers can check the current status by pressing the Time Service (Day/Night/Lunch/Break) button.

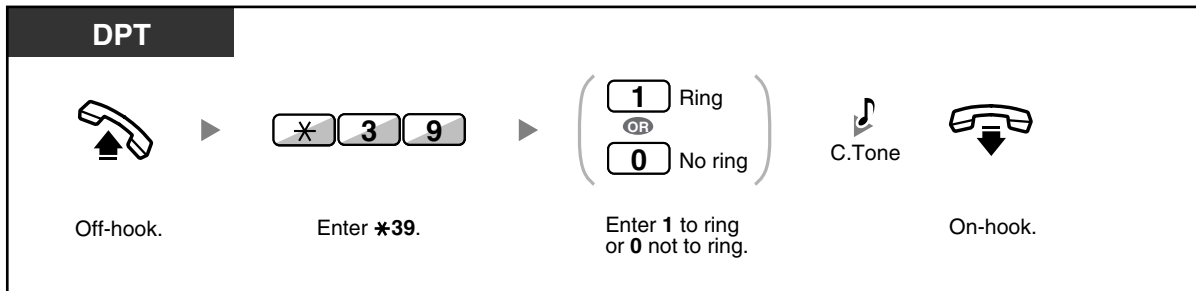


Customising Your Phone

- 3.1.3 Customising the Buttons
 - Create or edit a Time Service (Day/Night/Lunch/Break) button.

1.7.11 Setting the Paralleled Telephone to Ring (Paralleled Telephone)

In the case where a single line telephone is connected in parallel to your digital proprietary telephone, you can choose whether the paralleled single line telephone will ring to an incoming call or not.
(Default: Ring)



- **Even if "No ring" is selected,** calls can be made and answered on the single line telephone by lifting the handset.
- **If you go off-hook while your paralleled telephone is in use,** the call will switch over to you.
- This feature is not available for the KX-T7665.


1.7.12 Using Your PS in Parallel with a Wired Telephone (Wireless XDP Parallel Mode)

Your PS can be used in parallel with a PT or SLT.


When in this mode, incoming calls to a wired telephone also ring the paired PS.

To set

PS



Press **TALK**.



4

8


Enter ***48**.

1


Enter **1**.

extension no.

Enter **extension number**
of the paired telephone.




C.Tone




Press **CANCEL**.

To cancel

PS



Press **TALK**.




4

8


Enter ***48**.

0

Enter **0**.



C.Tone



Press **CANCEL**.



- Some wired telephones are prohibited from using this feature.
- **If you go off-hook while your paralleled telephone is in use, the call will switch over to you.**

1.7.13 Clearing Features Set at Your Extension (Extension Feature Clear)


You can reset the settings of the following features on your extension to the default settings with one operation.

This feature is also known as Station Programme Clear.


Features	Default Setting
Hot Line*	Off
Message Waiting—(All the messages that have been left by other extension users)	Off
Call Pickup Deny	Allow
Call Forwarding (FWD)*	Off
Absent Message	Off
Paging Deny	Allow
Timed Reminder	Cleared
Do Not Disturb (DND)*	Off
Call Waiting for intercom calls*	Disable (No call)
Call Waiting for outside calls*	Disable (No tone)
Executive Busy Override Deny	Allow
BGM	Off
Data Line Security	Off
Paralleled Telephone	The telephone in parallel rings.
Log-in/Log-out	Log-in

* These features may not be reset depending on the system programming.

PT/SLT/PS



Off-hook.




*


7

9

0



C.Tone



On-hook.

Enter *790.

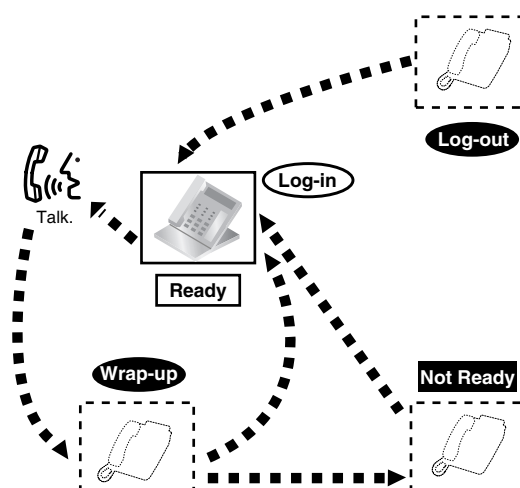


- For Users in Canada Only:
After performing Extension Feature Clear, the setting of Call Waiting becomes "Enable (Tone)". In this case, dial tone 2 will be heard when you go off-hook.

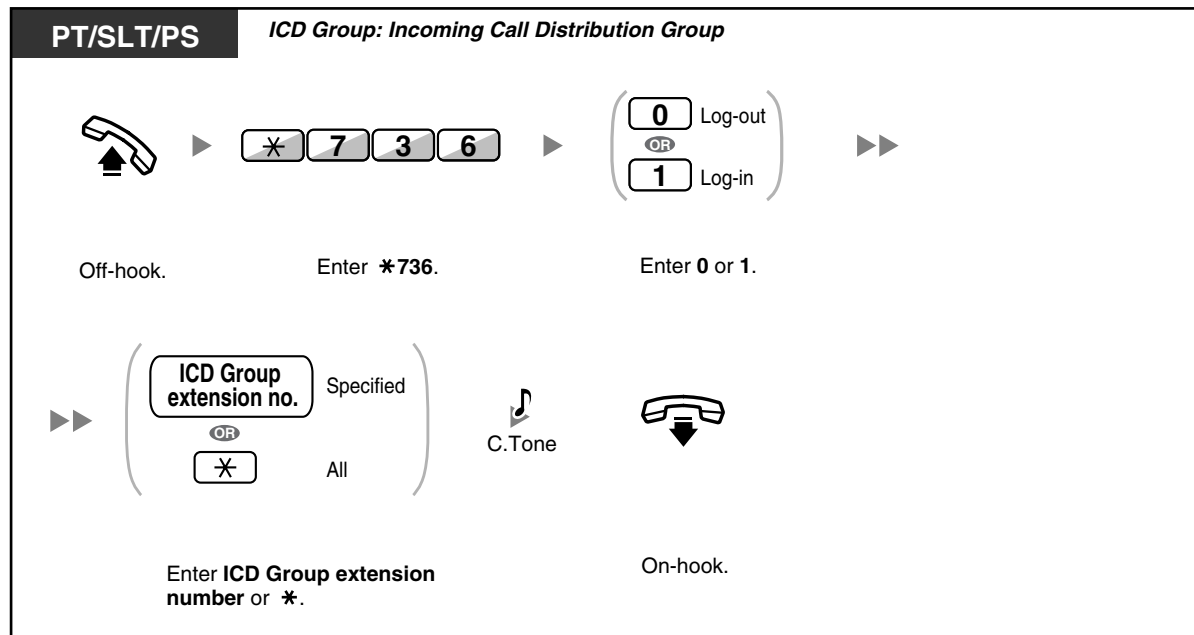
1.8 Utilising the Call Centre

1.8.1 Leaving an Incoming Call Distribution Group (Log-in/Log-out, Wrap-up)

You can control your status in an incoming call distribution group. When in the Log-out mode, incoming calls to the group will not ring at your extension. When you return, calls will again ring at your extension. (Default: Log-in)
Even if your extension is logged-in, you can have a specified time period (wrap-up time) when you will not receive calls after completing a previous call. This time can be used for you to write a report and so on.
You can also manually select "Not Ready" mode to temporarily leave a distribution group.






To set Log-in/Log-out



1.8 Utilising the Call Centre

PT/PS *ICD Group: Incoming Call Distribution Group*


While on-hook

 (Log-in/Log-out) →  Specified
 OR
  All

Press **Log-in/Log-out**. Enter **ICD Group extension number** or *****.

PT/PS








While on-hook



 (Log-in/Log-out of a specified group)

Press **Log-in/Log-out of a specified group**.

To enter/leave the Not Ready mode

PT/SLT/PS

 →     →  Not Ready
 OR
  Ready


 

Off-hook. Enter *** 735**. Enter **1** or **0**. On-hook.

To set/cancel the Not Ready mode or to leave the Wrap-up mode (To enter the Ready mode)

PT/PS

While on-hook

 (Wrap-up)

Press red or flashing red **Wrap-up**.*



- * The status will be as follows:
Ready → Not Ready
Not Ready → Ready
Wrap-up → Not Ready
- The Log-in/Log-out of a specified group button light shows the current status as follows:
Off: Log-in mode
Red on: Log-out mode
- The Wrap-up button alternates the setting of Wrap-up mode, Not Ready mode or Ready mode.
The Wrap-up button light shows the current status as follows:
Off: Ready mode
Red on: Not Ready mode
Flashing red: Wrap-up mode
- In Wrap-up mode/Not Ready mode, your extension does not receive calls through any group, even if it belongs to multiple groups.
- There may be at least one extension in the incoming call distribution group that is in the Log-in mode.
- The Supervisor extension can control the Log-in/Log-out status of other extensions.
For more information, refer to "1.8.2 Monitoring and Controlling the Call Status of an Incoming Call Distribution Group (Incoming Call Distribution Group Monitor)".



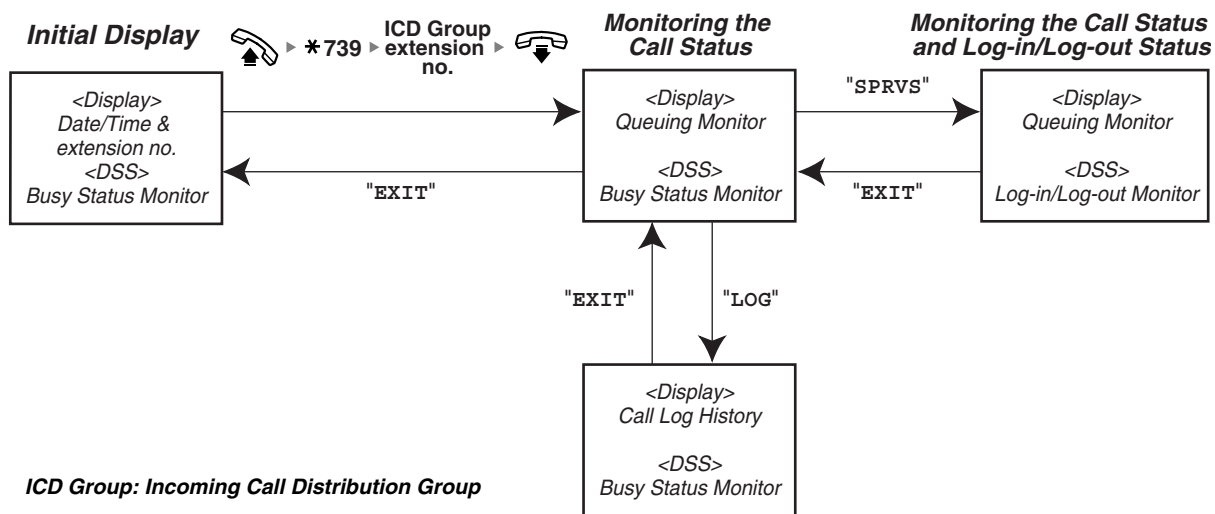
Customising Your Phone

- 3.1.3 Customising the Buttons
Create or edit a Log-in/Log-out button, a Log-in/Log-out of a specified group button or a Wrap-up button.

1.8.2 Monitoring and Controlling the Call Status of an Incoming Call Distribution Group (Incoming Call Distribution Group Monitor)

- Monitoring the Status of Waiting Calls
- Monitoring and Changing the Log-in/Log-out Status of Extensions

The extension assigned as a Supervisor extension can monitor and control the status of other extensions in an incoming call distribution group. It should have a PT with 6-line display. The display and DSS buttons show as follows:



◆◆ Monitoring the Status of Waiting Calls

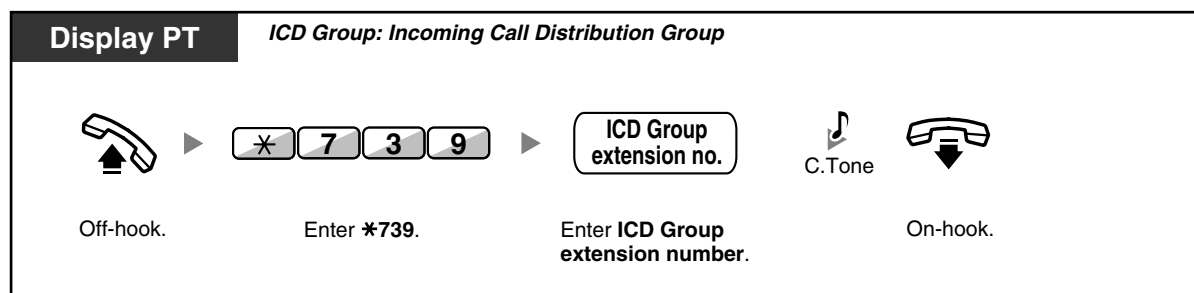
The Supervisor extension can monitor the status of calls waiting to be answered in the queue. If an incoming call distribution group has an overflowed call, the display shows the status automatically. The following information is displayed.

<Queuing Monitor>

- The current date/time
- The ICD Group extension number/name
- The number of waiting calls
- The longest waiting time

<Call Log History>

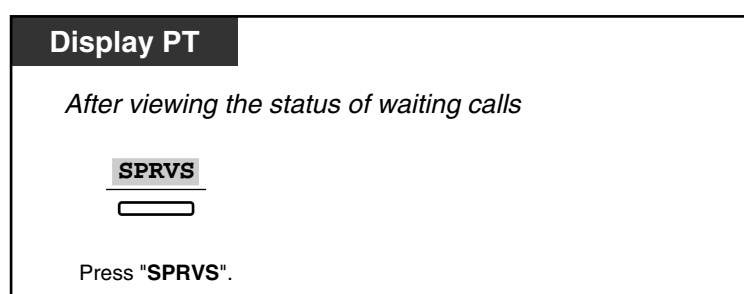
- The date/time when cleared at last time
- The total number of received calls
- The number of overflowed calls
- The number of unanswered calls
- The average waiting time of queuing calls

To monitor**To clear Call Log History**

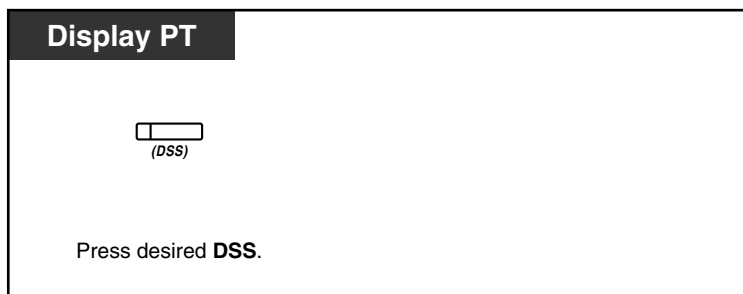
- The accumulated data is cleared.
"*****" shows if the number to be displayed exceeds the maximum displayable digits.

◆◆ Monitoring and Changing the Log-in/Log-out Status of Extensions

The Supervisor extension can monitor the Log-in/Log-out status of the incoming call distribution group members by the DSS button light. It can also change their Log-in/Log-out status if needed.

To monitor

To change the Log-in /Log-out mode



- The DSS button light shows the current status as follows:
Off: The extension is not in the group.
Green on: Log-in (Ready) mode
Flashing green: Log-in (Not Ready) mode
Red on: Log-out mode

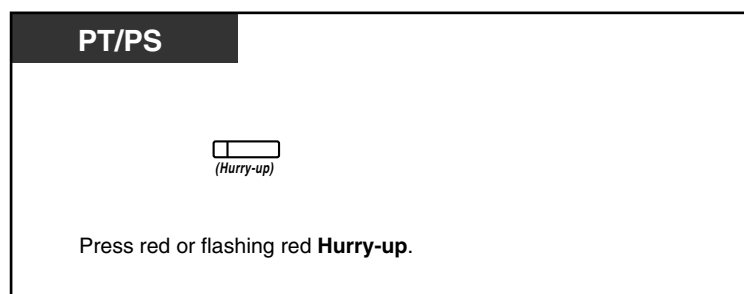
1.8.3 Forwarding a Waiting Call (Manual Queue Redirection)

When your incoming call distribution group is busy and other outside calls arrive, the arriving calls are put in a waiting queue.

Extensions can check the status of the queue with the Hurry-up button light, and forward the longest waiting call in the queue to a preset destination manually.

This feature is also known as Hurry-up Transfer.

To forward the waiting call



- The Hurry-up button light shows the current status as follows:
Off: No waiting call.
Red on: Some calls are waiting.
Flashing red: The number of calls exceeds the manual queue redirection level.



Customising Your Phone

- 3.1.3 Customising the Buttons
 Create or edit a Hurry-up button.

1.9 Using User-supplied Equipment

1.9.1 If a Doorphone/Door Opener is Connected


You can talk to a person at the door through the doorphone. Preprogrammed extensions or an outside party can receive the calls from the doorphone. You can open the door.

- Doorphone Call
- Opening a Door (Door Open)


◆◆ Doorphone Call

To call from the doorphone


Doorphone



Press **doorphone** button.




C.Tone



Talk.

To answer a call from the doorphone


PT/SLT/PS



Off-hook.



To call the doorphone

PT/SLT/PS




Off-hook.






Enter ***31**.




doorphone no.

Enter **doorphone number** (2 digits).



C.Tone



Talk.



- If no one answers a doorphone call within a specified time period, the call is cancelled.

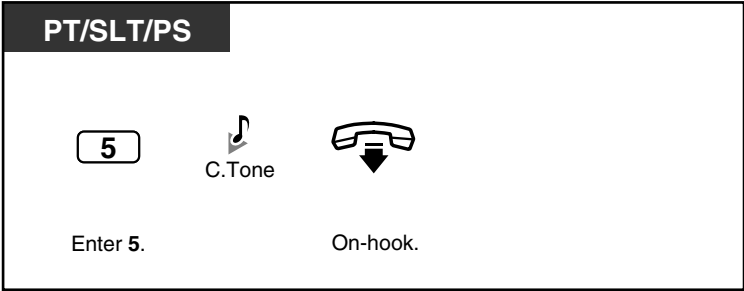
◆◆ Opening a Door (Door Open)


Some extensions may be prohibited from using this feature.

From a specified extension



From any extension while talking to the doorphone

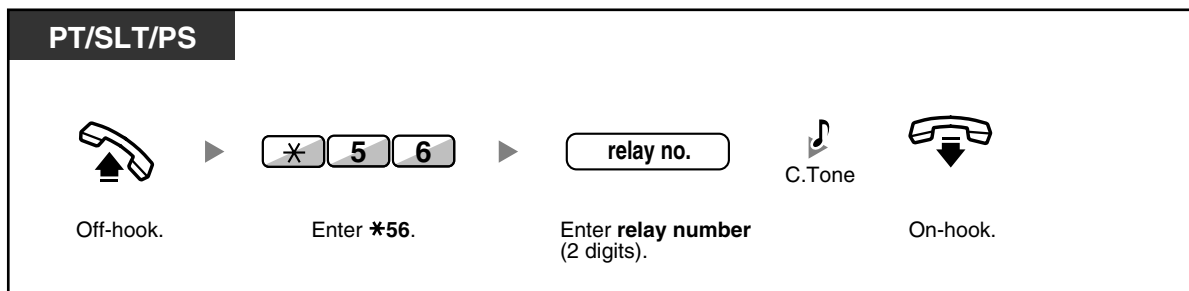


-  • The door open will be triggered for a specified time period.

1.9.2 If an External Relay is Connected

Preprogrammed extensions can switch on a relay (e.g., alarm) connected to the PBX.

To switch on the relay

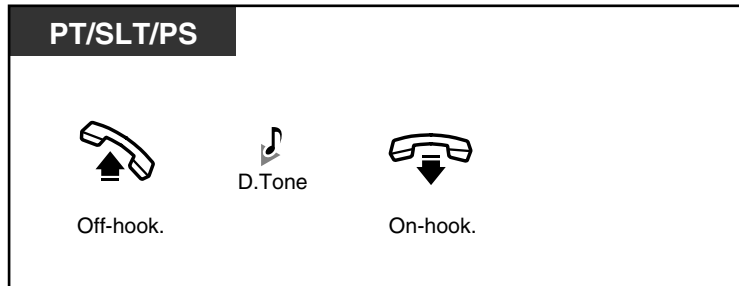


- The relay will be switched off after a specified time period.

1.9.3 If an External Sensor is Connected

Preprogrammed extensions can receive an alert call from an external sensor (e.g., security alarm) connected to the PBX.

To answer a sensor call



- If you do not answer a sensor call within a specified time period, the sensor call will stop.

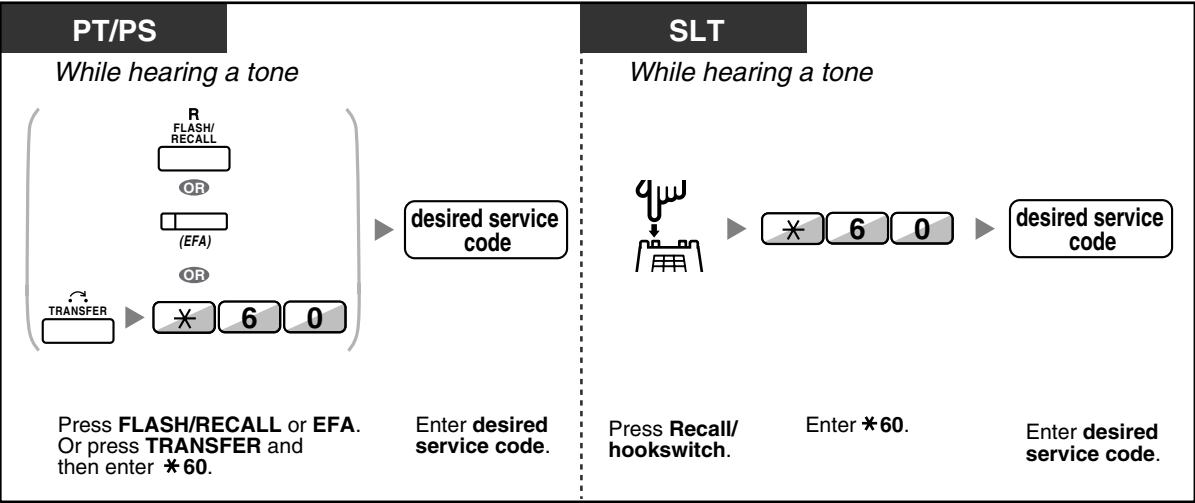
1.9.4 If a Host PBX is Connected

- Accessing External Services (External Feature Access [EFA])

◆◆ **Accessing External Services (External Feature Access [EFA])**

You can access special features (e.g., Call Waiting) offered by a host PBX or telephone company. This feature is only effective for an outside call.

<Example> To hold the current call and then talk to the new party



- In this case, FLASH/RECALL button on a proprietary telephone is in the External Feature Access (EFA) mode.
- Regarding the service code, consult your dealer.



Customising Your Phone

- 3.1.3 Customising the Buttons
Create or edit an External Feature Access (EFA) button.

1.9.5 If a Voice Processing System is Connected

You or an outside party can access the Voice Processing System from a telephone.

- Call Forwarding to Voice Mail (Voice Mail Integration)

If your PBX has a Panasonic Voice Processing System connected (e.g., KX-TVP/KX-TVS series) using digital integration, the following features are also available:

- Screening Calls (Live Call Screening [LCS])
- Recording a Conversation

◆◆ Call Forwarding to Voice Mail (Voice Mail Integration)

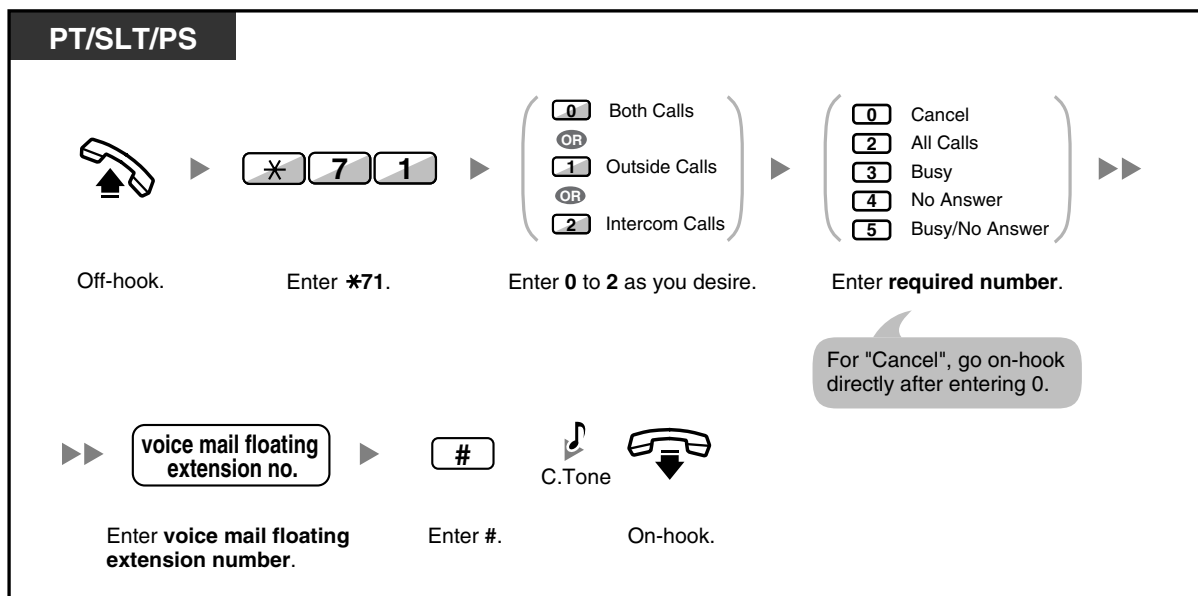
- To forward your calls to your mailbox
- To transfer a call to a mailbox
- To listen to messages

If you cannot answer calls, you can forward them to your mailbox. You can select the type of incoming calls (Intercom Calls/Outside Calls/Both Calls). If your telephone has a Message button, the Message light turns on and lets you know you have messages. Even if a Message button is not provided, you will hear an indication tone* when going off-hook.

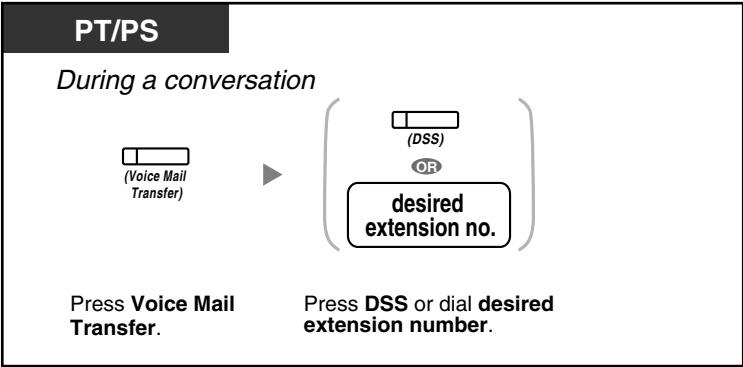
You can also transfer received outside calls to a mailbox so that calling parties can leave messages. If you create a Voice Mail Transfer button on your phone, the transfer is done without knowing the mailbox number (Voice Mail Transfer).

The duration for recording depends on the voice processing system.

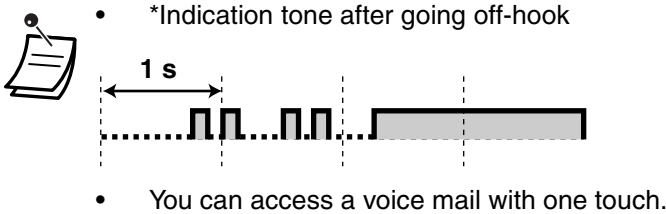
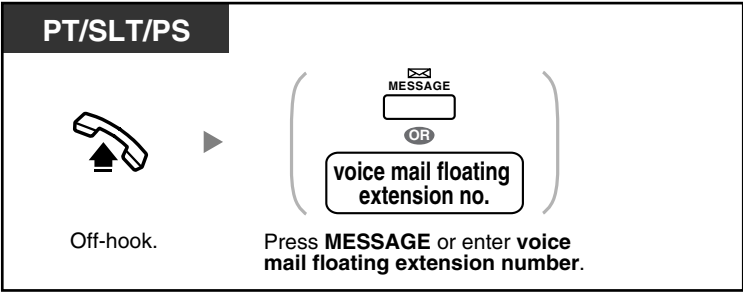
To forward your calls to your mailbox



To transfer a call to a mailbox



To listen to messages



Customising Your Phone

- 3.1.3 Customising the Buttons
Create or edit a Voice Mail Transfer button or a Message button.

◆◆ Screening Calls (Live Call Screening [LCS])

While a caller is leaving a message in your mailbox, you can monitor the call without answering. If you so desire, you can answer the call while monitoring. There are two methods available (Default: Hands-free mode).

Hands-free mode:

You can monitor the message automatically, live through the telephone speaker.

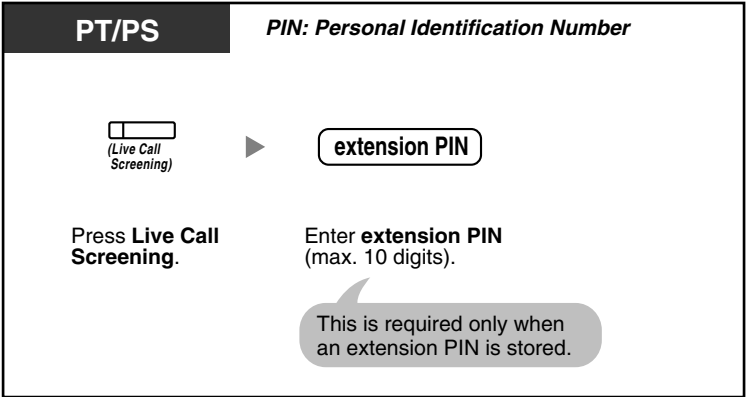
Private mode:

You will hear an alarm tone while the caller is leaving a message.

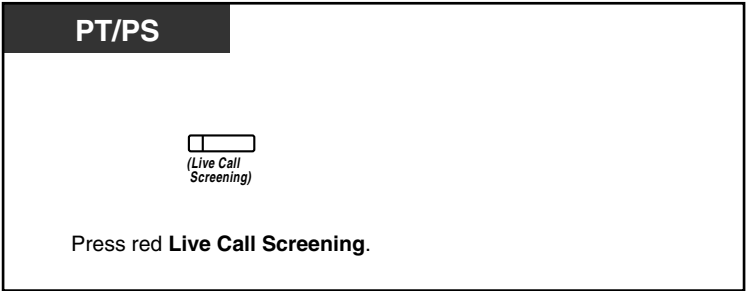
Before operating

- Create a Live Call Screening (LCS) button (Personal Programming).
- Select the mode, either Hands-free or Private (Personal Programming).
- Set the extension PIN (Personal Identification Number).
- Set the Live Call Screening feature.

To set Live Call Screening

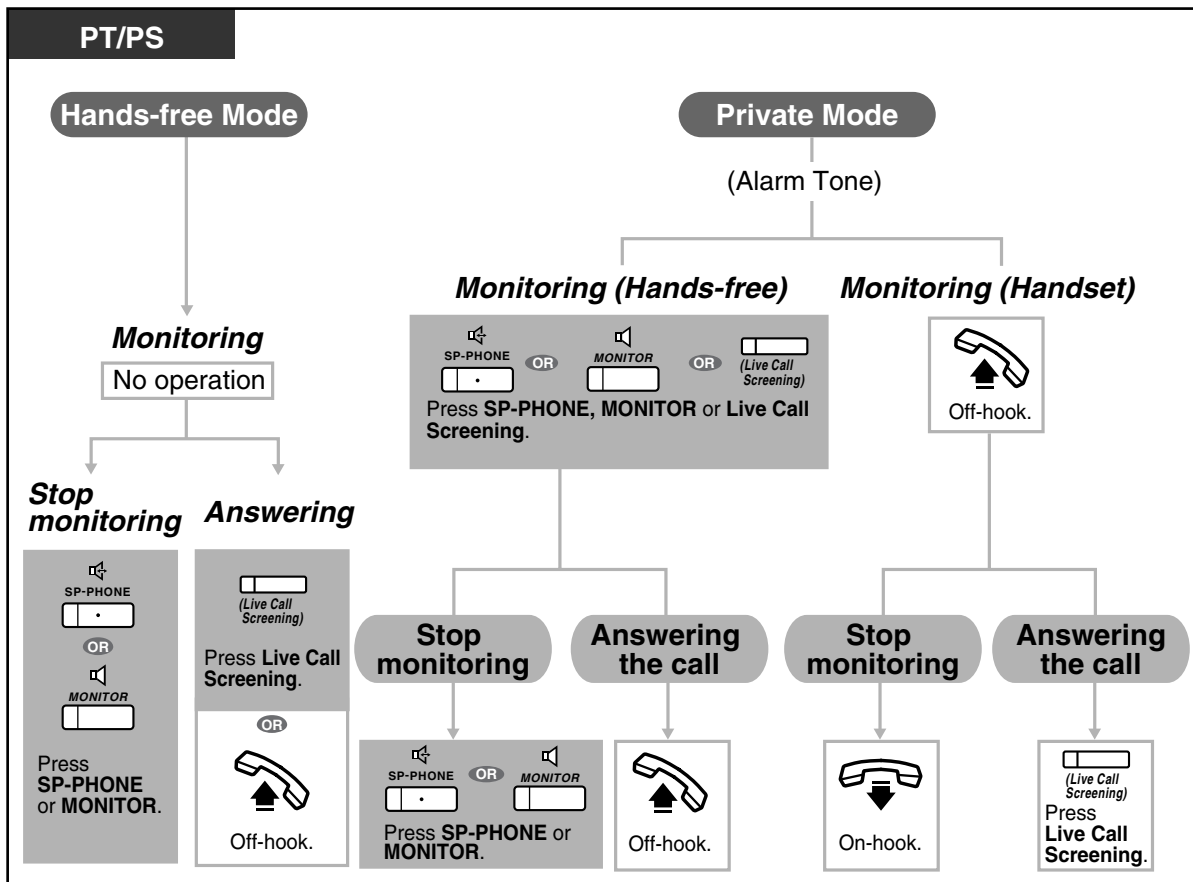


To cancel Live Call Screening



Operation Flowchart

The operations in the shaded areas can be done hands-free.



- The Live Call Screening (LCS) button light shows the feature status as follows:
Off: LCS is off.
Flashing green rapidly: Alerting in the Private mode.
Flashing green slowly: Monitoring.
Red on: LCS is on.
- The manager extension can clear an extension PIN.
- This feature is available for a single line telephone if it is connected to a proprietary telephone in parallel. (Private mode only)
 To answer the call while monitoring, press Recall/hookswitch.
- Only the handset monitoring in the Private mode is available for PS users.



Customising Your Phone

- 3.1.2 Settings on the Programming Mode—**Live Call Screening Mode Set**
 Select the mode, either monitoring the message through the speaker automatically or receiving, while the caller leaves a message.
- 3.1.3 Customising the Buttons
 Create or edit a Live Call Screening (LCS) button.

◆◆ Recording a Conversation


You can record a conversation into a mailbox while talking on the phone.
You can select the mailbox each time you record a conversation.



To record into your mailbox (Two-way Record)

PT/PS

During a conversation

 (Two-way Record)


To stop recording, press this button again.

Press **Two-way Record**.

To record into another mailbox (Two-way Transfer)


PT/PS

During a conversation

 (Two-way Transfer)

Press **Two-way Transfer**.

To stop recording, press this button again.


 (DSS)
OR
another extension no.

Press **DSS** or enter **another extension number**.

To record into another mailbox with one touch (One-touch Two-way Transfer)

PT/PS

During a conversation

 (One-touch Two-way Transfer)

Press **One-touch Two-way Transfer**.



- The Two-way Record button light, Two-way Transfer button light or One-touch Two-way Transfer button light shows the current status as follows:
Off: Not recording.
On: Recording the conversation.



- **Note:**
When you record your Two-way telephone conversations, you should inform the other party that the conversation is being recorded.



Customising Your Phone

- 3.1.3 Customising the Buttons
Create or edit a Two-way Record button, a Two-way Transfer button and a One-touch Two-way Transfer button.

1.10 After Moving to a New Location in the Office

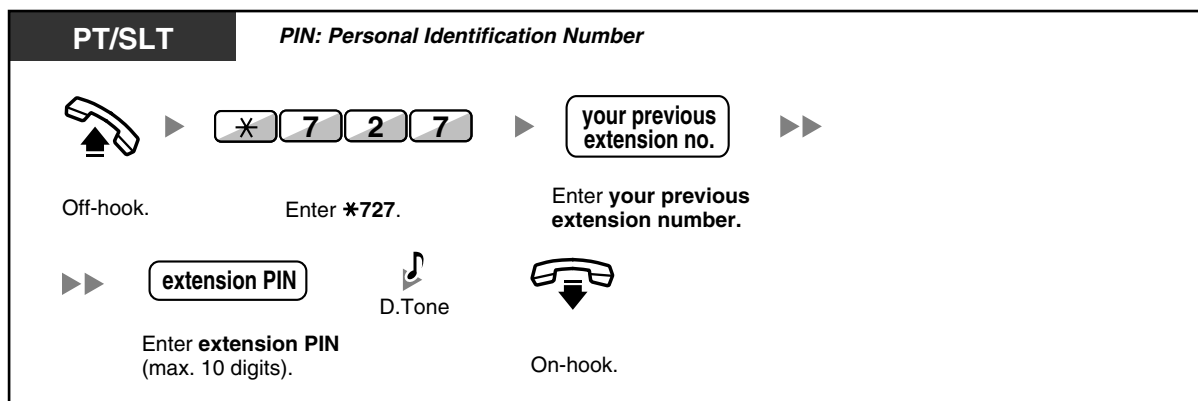
1.10.1 Using the Same Settings as Your Previous Extension (Walking Extension)

You can use the same features assigned on your previous extension even if you move to another extension in the office.

You can retain your settings, such as extension number or One-touch Dialling memory, on the new extension.

This feature is also known as Walking Station.

To set



- Your previous extension will receive the old settings of your new extension.
- This feature is not available for IP proprietary telephones.
- This feature is available for movement between SLT and SLT, PT and PT or SLT and PT.
- For more information, refer to "3.1.1 Customising Your Phone (Personal Programming)".

1.11 Using a Display Proprietary Telephone

1.11.1 Using the Call Log

This is available for display proprietary telephones and portable stations.

- Calling with the Incoming Call Log
- Calling with the Outgoing Call Log

◆◆ Calling with the Incoming Call Log

When you receive an outside call or an external sensor call, call information is recorded automatically in the incoming call log. A preprogrammed number of calls can be logged per extension.

When the call log is full and other call arrives, the oldest call is deleted.

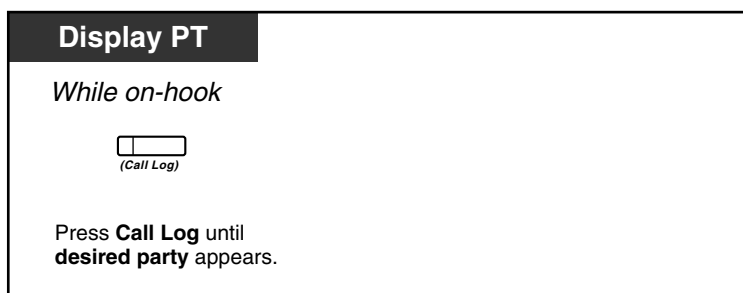
You can modify the logged telephone number.

When the Call Log button light turns on, there is a call which you did not answer.

The following information is logged.

- Caller's Name
- Date/Time call received
- Answered or Not Answered
Confirmed or Not Confirmed
- Caller's Phone Number

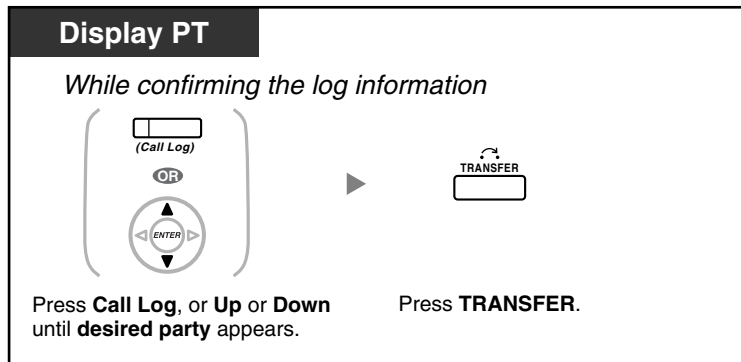
To confirm the log information with the Call Log button



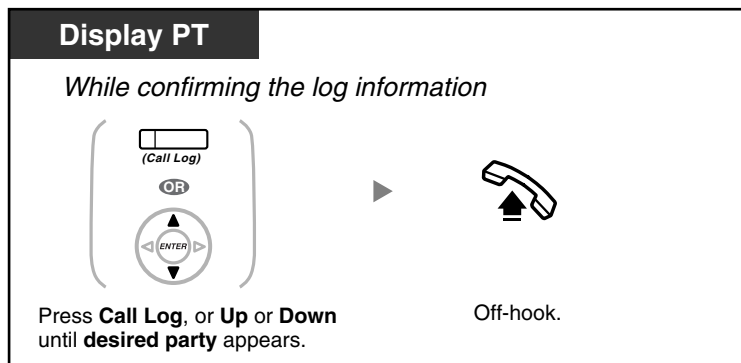
To confirm the log information with the Navigator Key



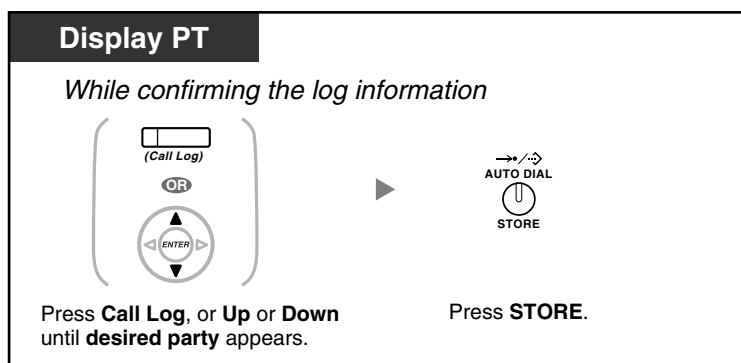
To clear the log information



To call



To store the caller's information in personal speed dialling





- The Call Log button light shows the current status as follows:
Off: No incoming call. Or you have already viewed the call log.
Red on: You have missed calls to view.
- If your call is answered by another extension, the caller's information is recorded on the displays of both your extension and the answering extension.
- You can lock your call log by using an extension PIN (Personal Identification Number), so that you can prohibit access to your logged information. Refer to "3.1.2 Settings on the Programming Mode".
- You can also have a Call Log button for an ICD Group (Incoming Call Distribution Group).
- If a call arrives while you are using the call log, the call log display will be replaced with the caller's information.



Customising Your Phone

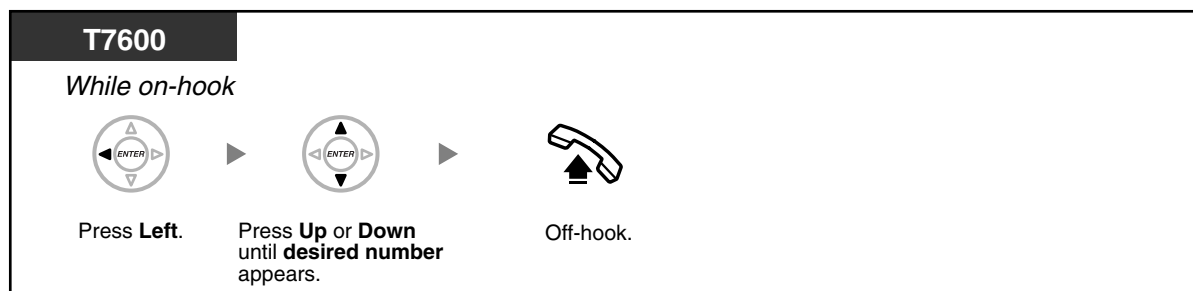
3.1.3 Customising the Buttons

Create or edit a Call Log button or Call Log for ICD Group button.

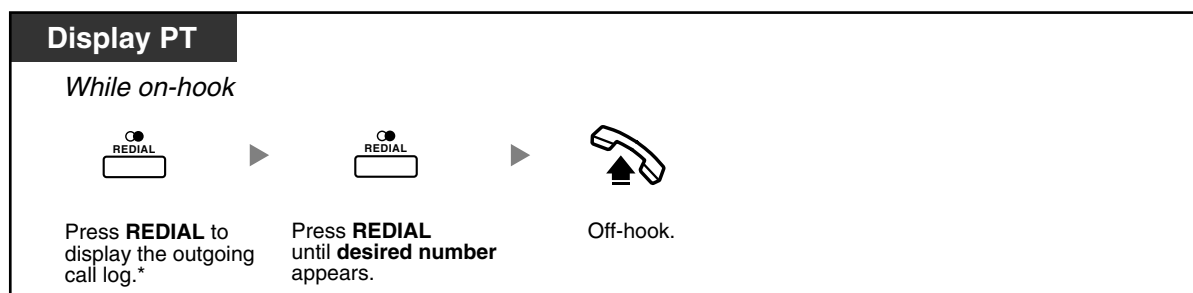
◆◆ Calling with the Outgoing Call Log

You can redial using the outgoing call log.

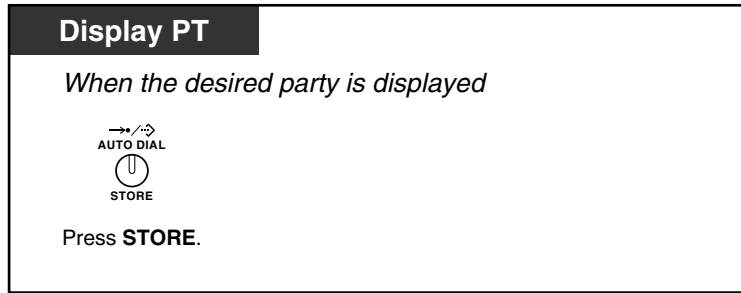
To call



To call with the REDIAL button



- * System programming is required for this operation. Consult your dealer.
- This operation is available only for digital proprietary telephones with a display.

To store the caller's information in personal speed dialling

- You can lock your call log by using an extension PIN (Personal Identification Number), so that you can prohibit access to your logged information. Refer to "3.1.2 Settings on the Programming Mode".
- If a call arrives while you are using the call log, the call log display will be replaced with the caller's information.

1.11.2 Using the Directories

You can call using the directories (*Personal Speed Dialling Directory, System Speed Dialling Directory and Extension Number Directory*).

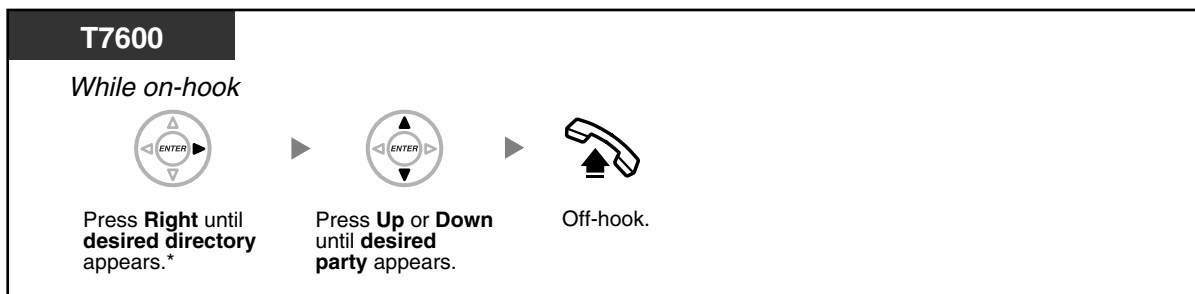
Only personal directories can be stored, edited or deleted on your extension.

If a call arrives while you are using a directory, the display will be replaced with the caller's information.

- Calling with the Directory
- Storing Names and Numbers
- Entering Characters

◆◆ Calling with the Directory

To select and call



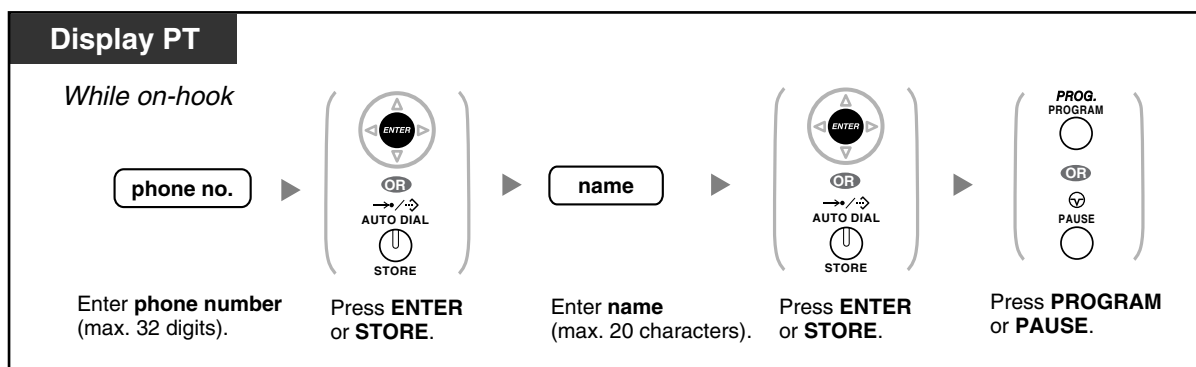
- * The display order is as follows:
One time: Personal Speed Dialling Directory
Two times: System Speed Dialling Directory
Three times: Extension Number Directory
- To cancel or exit, press the CANCEL or FLASH/RECALL button.



- Directory entries generally should include name and number. If the name is not registered, an entry cannot be displayed.
- The System Speed Dialling Directory can be displayed simply by pressing the AUTO DIAL/STORE button while on-hook.

◆◆ Storing Names and Numbers

To store a Personal Speed Dialling Directory item





- Telephone numbers and names displayed are stored using the first spare Personal Speed Dialling memory available.
- For a PS user, refer to "Operating Instructions" for PS.



- For more details, refer to "To store the names and numbers in personal speed dialling" in "3.1.2 Settings on the Programming Mode".

◆◆ Entering Characters

You can enter the following characters. The tables show you the characters available for each button. Table 1 or Table 2 can be programmed.

Table 1 (Standard mode)

Times Buttons	1	2	3	4	5	6	7	8	9
1	!	?	"	1					
2	A	B	C	a	b	c	2		
3	D	E	F	d	e	f	3		
4	G	H	I	g	h	i	4		
5	J	K	L	j	k	l	5		
6	M	N	O	m	n	o	6		
7	P	Q	R	S	p	q	r	s	7
8	T	U	V	t	u	v	8		
9	W	X	Y	Z	w	x	y	z	9
0	(Space)	.	,	'	:	;	0		
*	/	+	—	=	<	>	*		
#	\$	%	&	@	()	€	£	#

Table 2 (Option mode)

Times Buttons	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	!	?	"	ä	ö	ü	1								
2	A	B	C	a	b	c	À	Á	Â	Ã	Ä	Å	Æ	Ç	2
3	D	E	F	d	e	f	Ð	È	É	Ê	Ë	3			
4	G	H	I	g	h	i	Ì	Í	Î	Ï	4				
5	J	K	L	j	k	l	5								
6	M	N	O	m	n	o	Ñ	Ò	Ó	Ô	Õ	Ö	Ø	Ǝ	6
7	P	Q	R	S	p	q	r	s	Š	ß	7				
8	T	U	V	t	u	v	Û	Ú	Û	Ü	8				
9	W	X	Y	Z	w	x	y	z	Ý	Ž	9				
0	(Space)	.	,	'	:	;	0								
*	/	+	—	=	<	>	*								
#	\$	%	&	@	()	€	£	#						

Table 2 (Option mode for CE model)

Times Buttons	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	!	?	"	ä	ö	ü	1								
2	A	B	C	a	b	c	Á	Â	Ã	Ä	Å	Ć	Ç	Č	2
3	D	E	F	d	e	f	Ď	Đ	É	Ê	Ë	ě	3		
4	G	H	I	g	h	i	Í	Î	4						
5	J	K	L	j	k	l	Ĺ	Í	5						
6	M	N	O	m	n	o	Ň	Ň	Ó	Ô	Õ	Ö	6		
7	P	Q	R	S	p	q	r	s	Ř	Ř	Š	Ś	Ş	ß	7
8	T	U	V	t	u	v	Ť	Ť	ű	Ú	Ú	Ü	8		
9	W	X	Y	Z	w	x	y	z	Ž	Ž	Ž	Ý	9		
0	(Space)	.	,	'	:	;	0								
*	/	+	—	=	<	>	*								
#	§	%	&	@	()	€	£	#						

Table 2 (Option mode for GR model)

Times Buttons \	1	2	3	4	5	6	7	8	9
1	!	?	"	1					
2	A	B	Γ	2					
3	Δ	E	Z	3					
4	H	Θ	I	4					
5	K	Λ	M	5					
6	N	Ξ	O	6					
7	Π	P	Σ	7					
8	T	Υ	Φ	8					
9	X	Ψ	Ω	9					
0	(Space)	.	,	'	:	;	0		
*	/	+	—	=	<	>	*		
#	\$	%	&	@	()	€	£	#

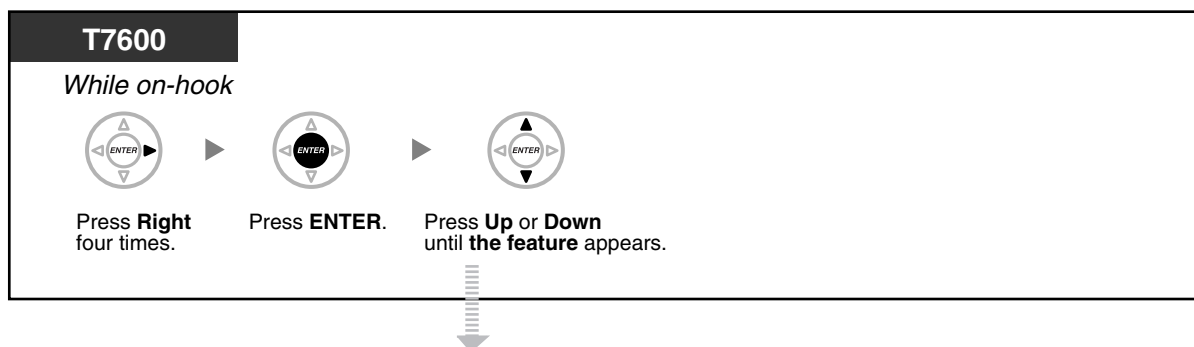
Table 2 (Option mode for RU model)

Times Buttons	1	2	3	4	5	6	7	8	9	10	11
1	A	Б	В	!	?	"	1				
2	Г	Д	Е	Ё	2						
3	Ж	З	И	Й	3						
4	К	Л	М	4							
5	Н	О	П	5							
6	Р	С	Т	6							
7	У	Ф	Х	7							
8	Ц	Ч	Ш	8							
9	Щ	Ъ	Ы	Ь	9						
0	Э	Ю	Я	(Space)	.	,	'	:	;	0	
*	/	+	—	=	<	>	Г	€	I	İ	*
#	\$	%	&	@	()	€	I	Ÿ	#	

1.11.3 Accessing System Features (System Feature Access)

You can access a feature with the "Feature Access" menu.

To access "Feature Access" menu and select the feature



Features	Refer to
Automatic Callback Busy Cancel	1.2.4 When the Dialed Line is Busy or There is No Answer
Group Call Pickup	1.3.3 Answering a Call Ringing at Another Telephone (Call Pickup)
Directed Call Pickup	1.3.3 Answering a Call Ringing at Another Telephone (Call Pickup)
Doorphone Call	1.9.1 If a Doorphone/Door Opener is Connected
Door Open	1.9.1 If a Doorphone/Door Opener is Connected
External Background Music	2.1.4 Turning on the External Background Music (BGM)
Paging	1.6.1 Paging

Section 2

Manager Operation

This chapter shows the manager how to control the other extensions or the PBX.

2.1 Control Features

2.1.1 Extension Control

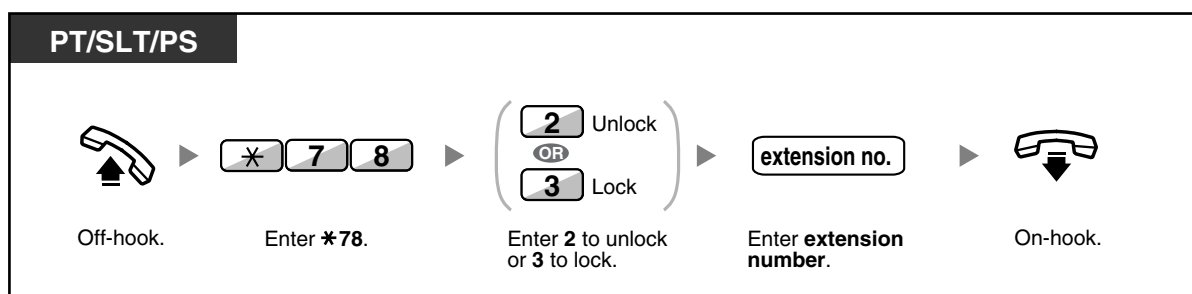
The manager extension can control the settings of other extensions.

- Changing the Settings of Other Extensions

◆◆ Changing the Settings of Other Extensions

To lock/unlock other extensions (Remote Extension Lock)

This feature is also known as Remote Station Lock Control.



- If your extension is unlocked by the Remote Extension Lock feature, the Extension Lock assigned by itself will be unlocked.

2.1.2 Time Service Mode Control

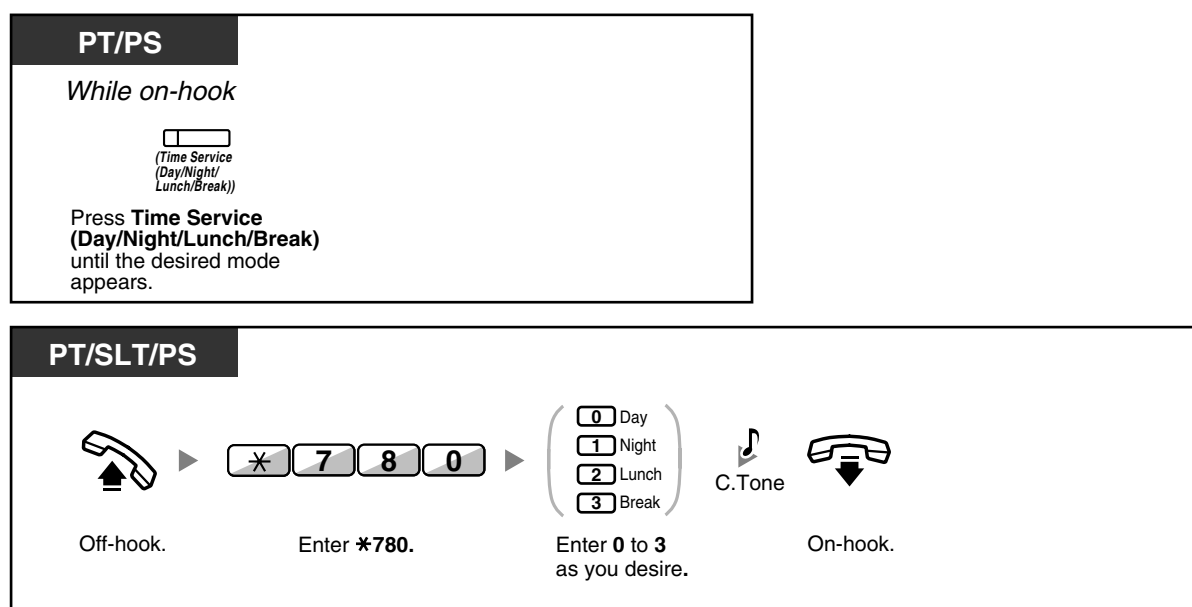
The manager extension or the preprogrammed extension can change the time mode (Day, Lunch, Break or Night).

There are two methods (Automatic or Manual) of changing the time modes.

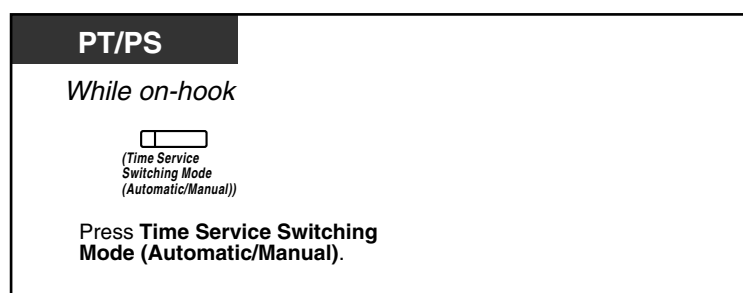
Automatic: enables the time mode for each day of the week to change automatically. You may also change it manually.

Manual: enables to change a mode in manual as follows.

To change the time mode (Day/Night/Lunch/Break)



To select the time service switching mode (Automatic/Manual)



2.1 Control Features



- Besides the time mode, there is Holiday mode. It can change mode once on a specified date.
- The Time Service (Day/Night/Lunch/Break) button light shows the current status as follows:
 - Off:** Day mode
 - Green on:** Lunch mode
 - Flashing green:** Break mode
 - Red on:** Night mode
 - Flashing red:** Holiday mode
- The Time Service Switching Mode (Automatic/Manual) button light shows the current status as follows:
 - Off:** Automatic
 - Red on:** Manual

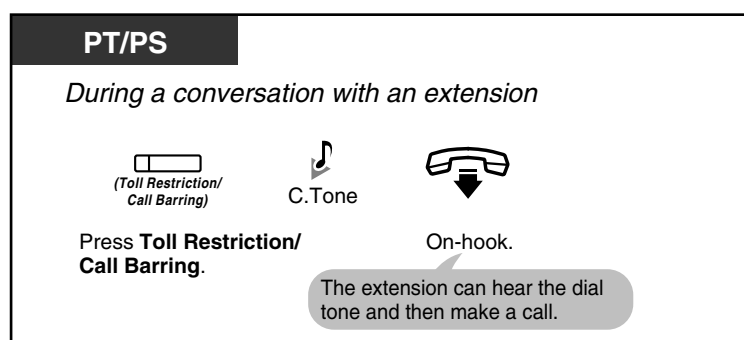


Customising Your Phone

- 3.1.3 Customising the Buttons
Create or edit a Time Service (Day/Night/Lunch/Break) button or a Time Service Switching Mode (Automatic/Manual) button.

2.1.3 Restriction Level Control (Dial Tone Transfer)

The manager extension can change the restriction level, permitting an extension to make a call.



- The restriction level is changed to the preprogrammed level of Toll Restriction/Call Barring button.



Customising Your Phone

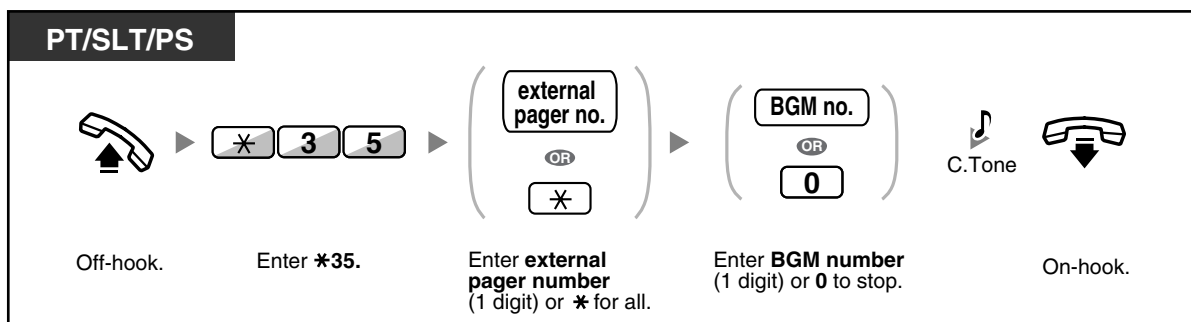
- 3.1.3 Customising the Buttons
Create or edit a Toll Restriction/Call Barring button.

2.1.4 Turning on the External Background Music (BGM)

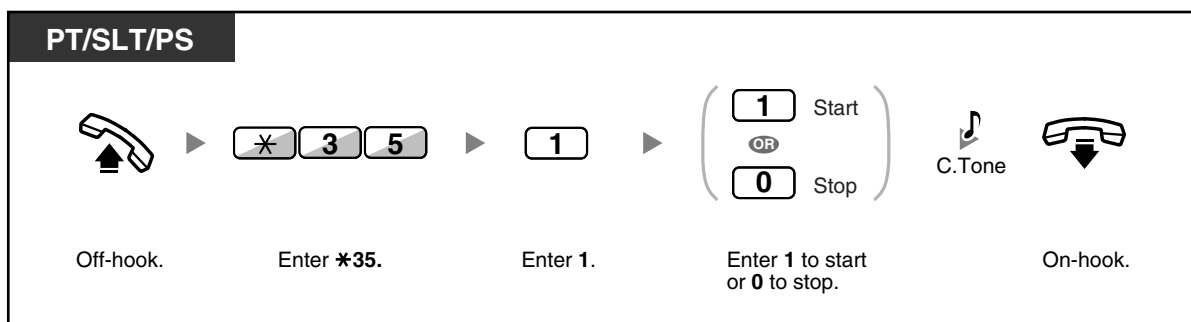
The manager extension can select and broadcast background music in the office through external speakers.

To select and start/stop the background music

<For users of KX-TDA100/KX-TDA200>



<For users of KX-TDA30>



2.1.5 Recording Outgoing Messages (OGM)

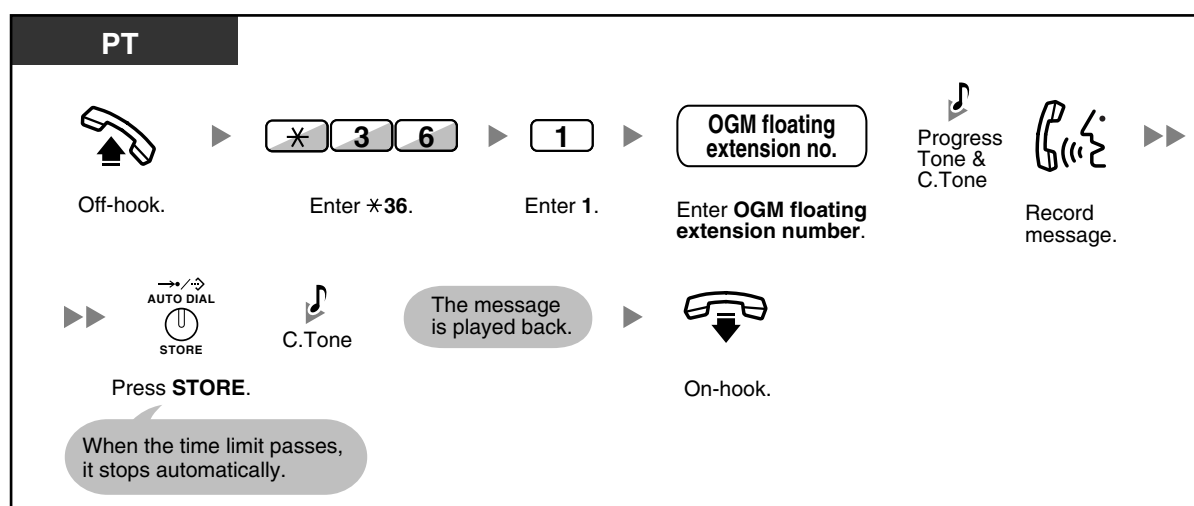
The manager extension can record three kinds of greeting messages (OGM) as follows:

1. **DISA message:** Used to greet and guide callers so that they access extension group or outside party without operator assistance.
2. **Incoming Call Distribution Group message:** Used to greet and guide callers to an incoming call distribution group.
3. **Timed Reminder message:** Used for a wake-up call message when the extension answers the Timed Reminder.

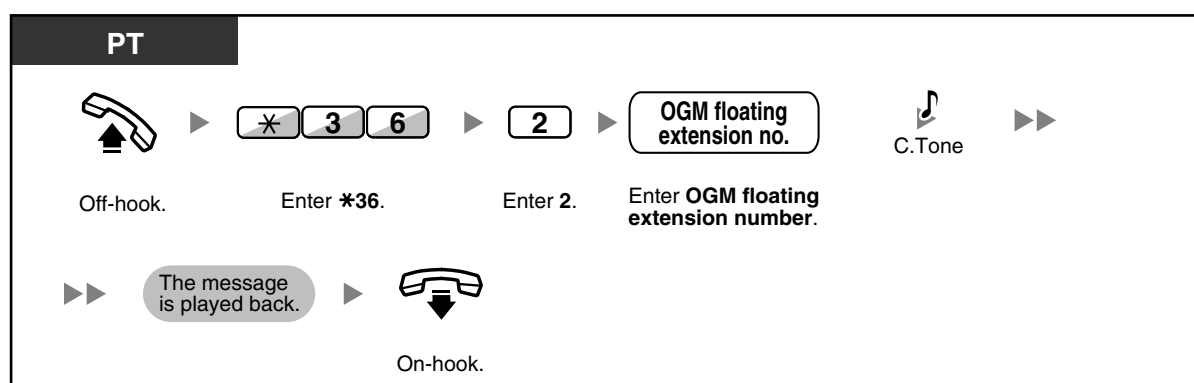


All messages have their own extension numbers. You can select the desired message. You have two methods for recording a message. One is recorded using the handset, and the other is recorded from an external BGM (MOH) port.

To record

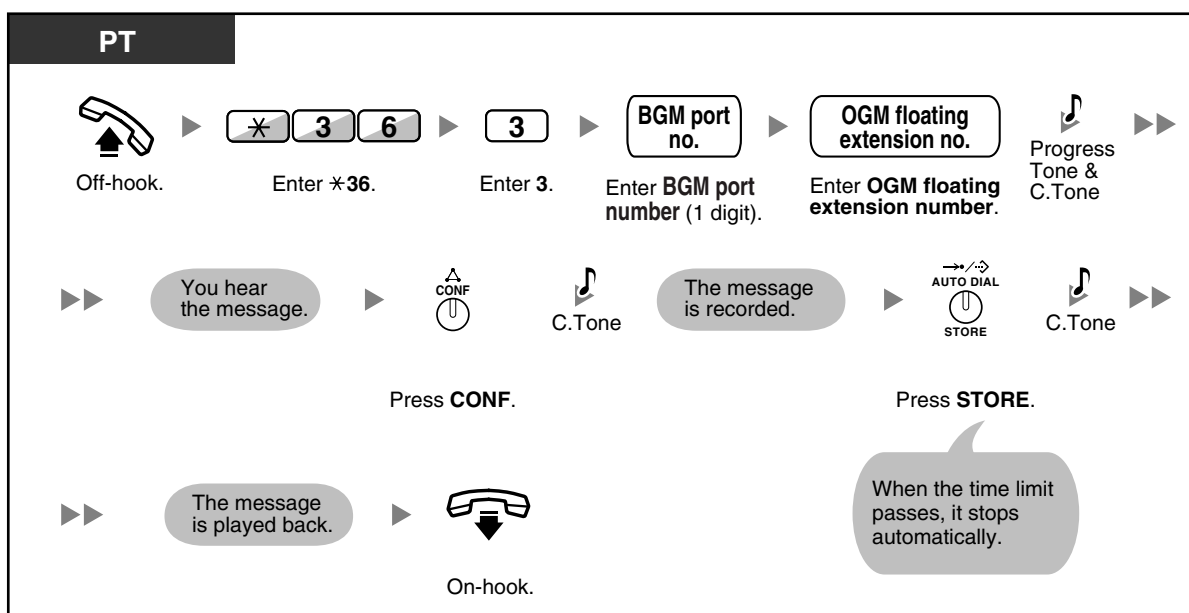


To play back

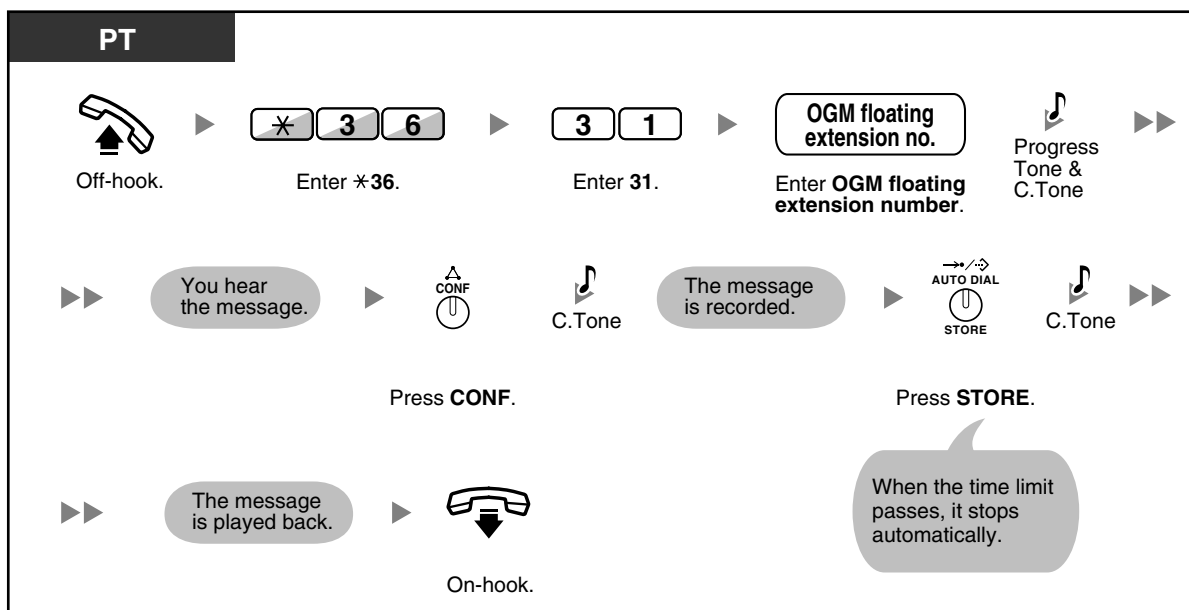


To record from an external BGM (MOH) port

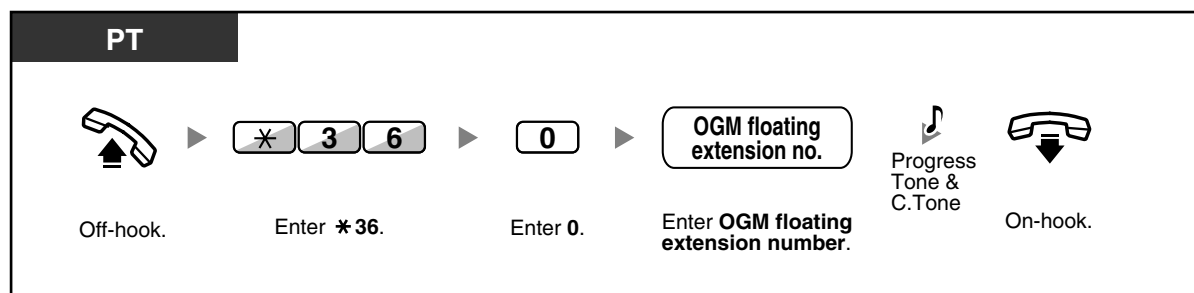
<For users of KX-TDA100/KX-TDA200>



<For users of KX-TDA30>



To clear the message

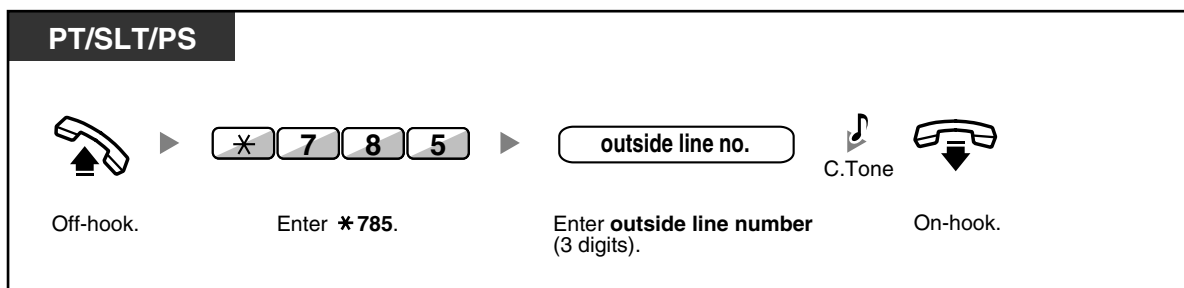


- Record voice messages only; avoid the recording of music.

2.1.6 Allowing Users to Seize an Unavailable Outside Line (Trunk Busy Out)

When a problem is found on a certain outside line, the PBX automatically makes it unavailable for use temporarily. The manager can manually enable the outside line and allow users to use it again.

To re-enable an outside line



- In some countries/areas, the PBX may not be able to automatically make a faulty outside line unavailable for use. Consult your dealer.

2.1.7 Using the Telephones in a Hotel-type Environment (Hospitality Features)

The hotel operator can check in or check out guests from his extension. When the hotel operator presses a flexible button assigned as "Check-in" or "Check-out" on his extension, the extension will switch to Room Status Control mode, and the DSS button light will show the current room status of extensions. Other features can also be used in a hotel-type environment.

- Check-in
- Check-out
- Setting a Timed Reminder to a Room Extension (Remote Wake-up Call)
- Recording room information using a room extension

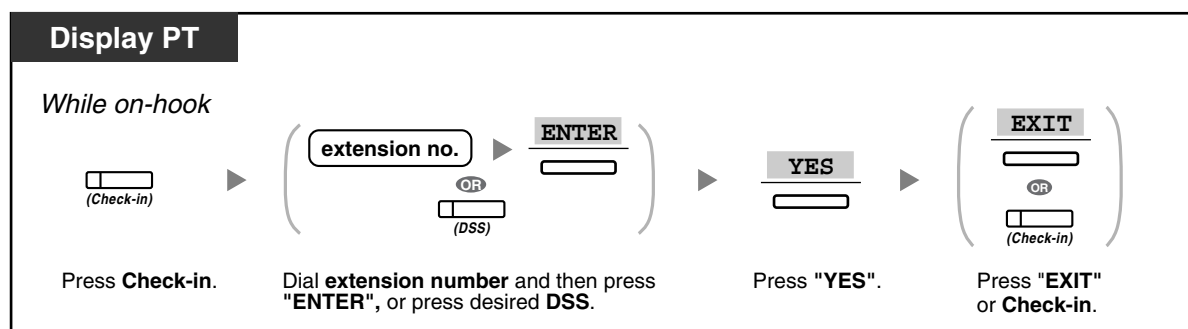


- The hotel operator must be using a 6-line display PT.
- Each DSS button light shows the current status as follows:
Off: Check-out
Red on: Check-in
- While in Room Status Control mode, the hotel operator extension is considered to be busy.
- While in Room Status Control mode, the display, INTERCOM button, and flexible buttons do not operate for other telephone features.
- Some of the operations in this section require system programming. Consult your dealer.

◆◆ Check-in

The hotel operator can change the room status of extensions to check-in by using the Check-in button assigned on his extension.

To check in



- After check-in, the guest can make outgoing calls from the room extension.
- After check-in, all billing data previously charged to the extension will be cleared automatically.
- When the room status of extensions is changed, detailed room status information is recorded automatically. This requires system programming.
 <Example>

Date	Time	Ext	CO	Dial Number
02/02/00	03:07PM	1234		Check in

◆◆ Check-out

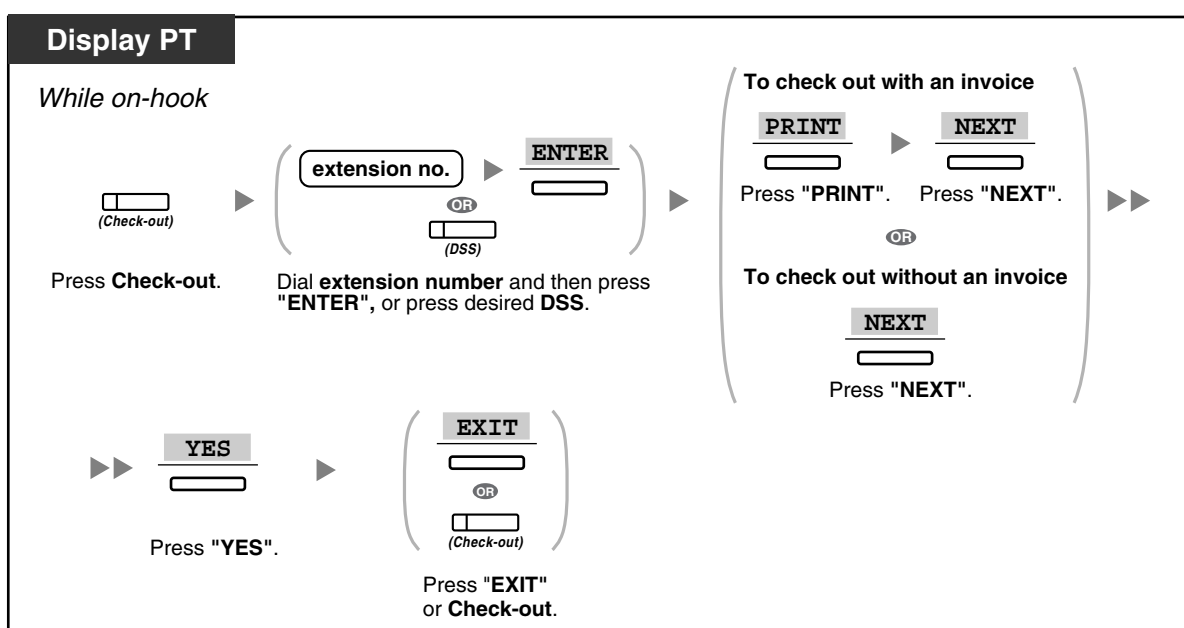
The hotel operator can change the room status of extensions to check-out by using the Check-out button assigned on his extension.

Depending on the setting of the PBX, the hotel operator can do the following:

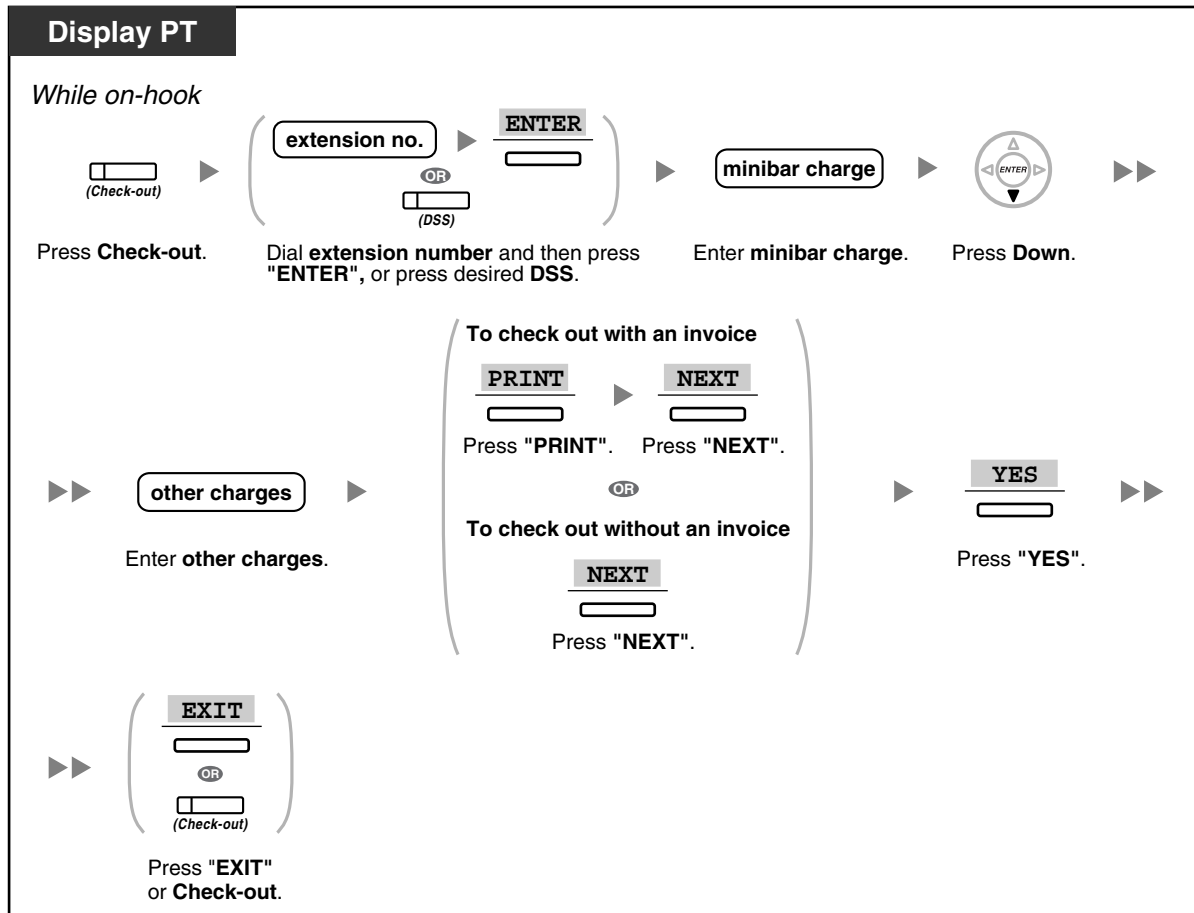
- Record/edit charges for Minibar/Others
- Print out an invoice containing charge information

Consult your dealer.

To check out a room with/without printing an invoice



To record/edit room charges and check out a room with/without printing an invoice



2.1 Control Features



- After check-out, outgoing calls from the room extension will be prohibited.
 - After check-out, features set on the room extension will be reset to the default settings. For features that are reset, refer to "1.7.13 Clearing Features Set at Your Extension (Extension Feature Clear)".
 - After check-out, wake-up call and Call Log information for the room extension will be cleared automatically.
 - When the room status of extensions is changed, detailed room status information is recorded automatically. This requires system programming.
- <Example>

Date	Time	Ext	CO	Dial Number
02/03/00	08:08AM	1234		Check out

- To print out an invoice, a printer should be connected to the PBX. If the room extension is in use, an invoice cannot be printed out.
- <Example>

```
*****
*                Hotel                *
*****
Check in   : 01.JAN.00 06:31PM
Check out  : 03.JAN.00 07:03AM
Room      : 202 : Mr. Yoshida

01/01/00 06:52PM 202 01 Call amount:0012 01:24'30 00084.50 001
02/01/00 06:07PM 202 01 123456789          00:10'12 00010.20 1234567890
02/01/00 07:30PM 202 01 012345678901234    00:06'36 00006.60 12345
02/01/00 08:45PM 202 01 0011234567890123   00:03'00 00003.00 12345

Telephone          104.30 (Tax 10.000% = 10.43)
Minibar            4.00 (Tax 10.000% = 0.40)
Others              0.00 (Tax 15.000% = 0.00)
-----
Total              EUR 108.30 (Tax Total = 10.83)

Sheet : 002

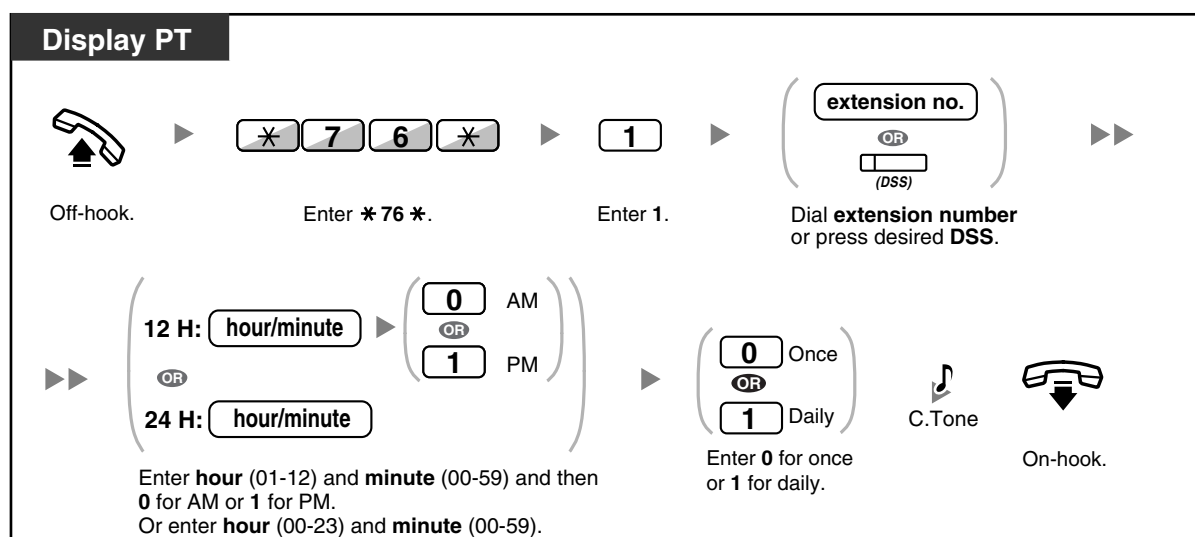
===== The Star Hotel =====
Moorland Road, Shepherds Bush, London, England W14 0AX
Tel: +44 (0) 123 456 7890 Fax: +44 (0) 123 456 7891
```

- The PBX can store a limited amount of room information. When this storage becomes almost full, the information of the extension that made the most calls is printed out automatically. In this case, the printout is similar to the example above, but without categorised charge information and the total. The PBX can then store new room information. "Call amount:0012" in the example above indicates that the information of 12 phone calls has previously been printed out automatically.

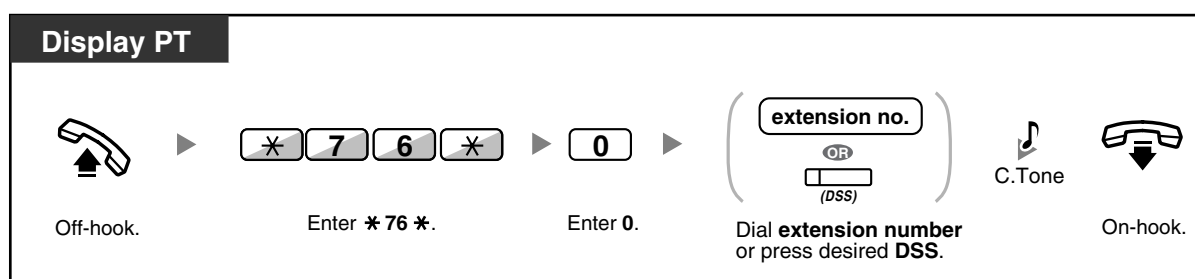
◆◆ Setting a Timed Reminder to a Room Extension (Remote Wake-up Call)

The hotel operator can remotely set/cancel a Timed Reminder to a room extension. He can also confirm the current setting.

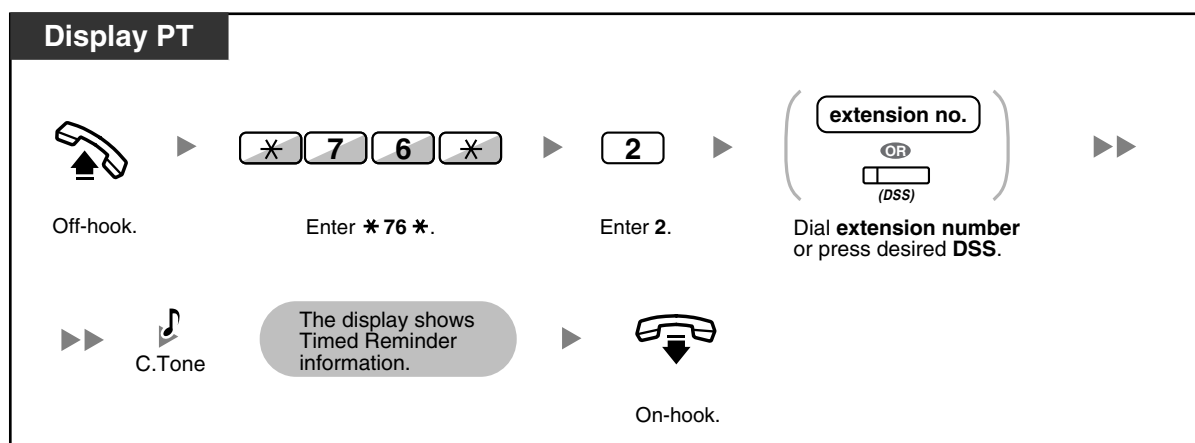
To set



To cancel



To confirm





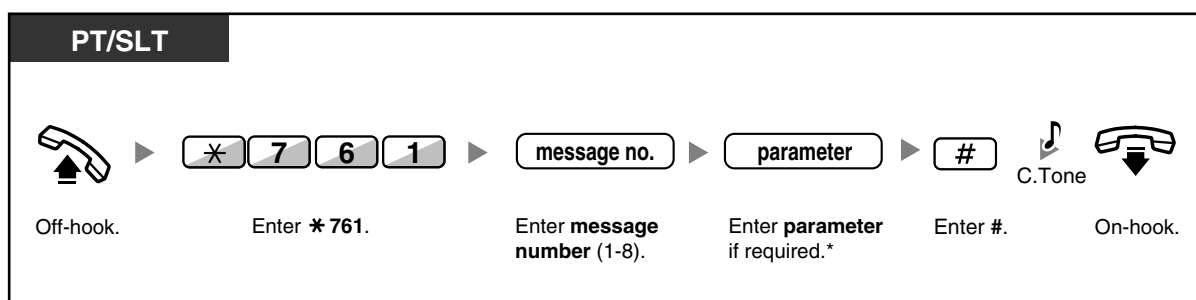
- Timed Reminder can also be set from the room extension. The most recent setting will be valid no matter which extension made the setting.
 - When a Timed Reminder starts, and when it is answered or not answered, detailed Timed Reminder information is recorded automatically. This requires system programming.
- <Example>

Date	Time	Ext	CO	Dial Number
02/02/00	02:45PM	1234		Timed Reminder/Start
02/02/00	02:46PM	1234		Timed Reminder/No Answer
02/02/00	02:47PM	1234		Timed Reminder/Answer

Recording room information using a room extension

Room information can be recorded from a room extension using up to 8 preprogrammed messages (1-8). Depending on the content of the messages, a variety of information can be recorded. For a list of preprogrammed messages, consult your dealer.

To record



- * If you see "%" signs, you are required to enter a parameter. Enter values in the "%" positions using 0 to 9 or ✕.
- <Example>
If "MinibarEUR%%.%%" has been programmed as message number 1 (for recording Minibar charges), data would be entered as in the example below:

* 761 1 0300 #
 └─┬──────────┘
 message no. parameter
 (Minibar charge)

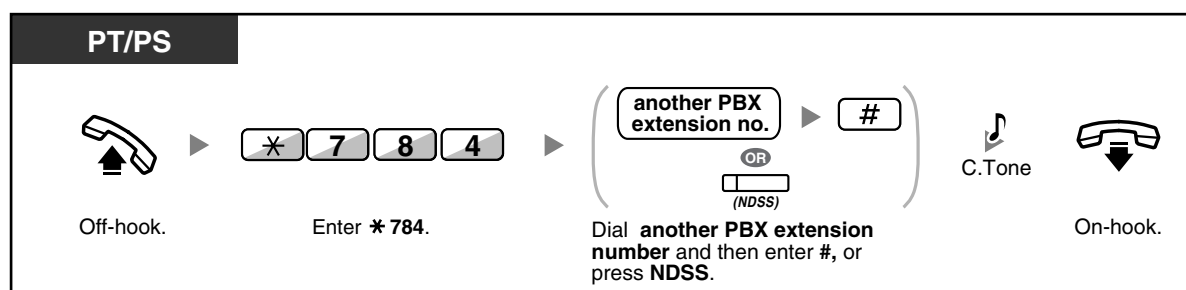
Data similar to the example below is recorded.

Date	Time	Ext	CO	Dial Number
02/02/00	10:45AM	1234		Minibar EUR03.00

- Any charges (including Minibar charges) recorded here are not related to charges that the hotel operator records when checking out a room.

2.1.8 Releasing Network Direct Station Selection (NDSS) Monitor

NDSS buttons can be customised on any extension connected to your PBX. An NDSS button allows an extension user to monitor another extension connected to another PBX in a private network. The NDSS button light shows the current status of the monitored extension. When it becomes unnecessary to monitor an extension connected to another PBX, the manager can stop the PBX from monitoring it. Any NDSS buttons set to monitor that extension will also stop monitoring.



- To restart monitoring of an extension after performing this operation, go off-hook, press the corresponding NDSS button, and go on-hook.



Customising Your Phone

- 3.1.3 Customising the Buttons
Create or edit a Network Direct Station Selection (NDSS) button.

Section 3

Customising Your Phone & System

This chapter shows you how to customise your individual telephone or PBX according to your needs. Find the desired setting and program as necessary.

3.1 Customising Your Phone (Personal Programming)

3.1.1 Customising Your Phone (Personal Programming)

You can customise your telephone features. For example, you can change the initial settings or button features according to your needs.

- Assigning an Extension PIN to Your Extension (Extension PIN [Personal Identification Number])



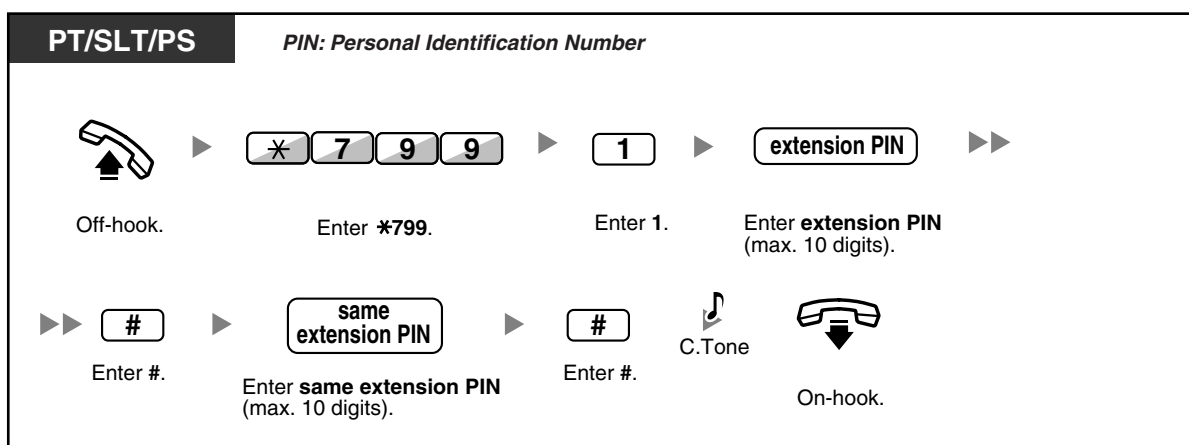
- If you change your desk and extension, refer to "1.10.1 Using the Same Settings as Your Previous Extension (Walking Extension)".

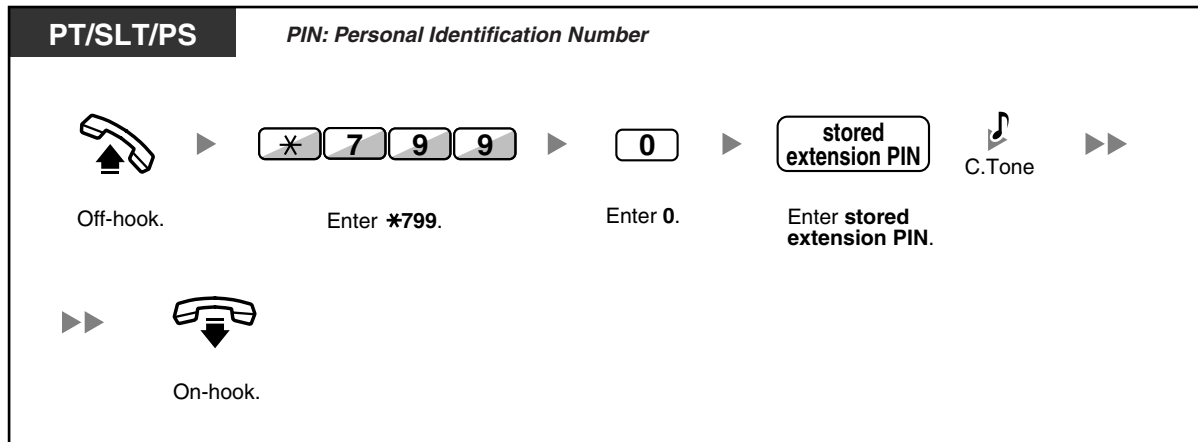
◆◆ Assigning an Extension PIN to Your Extension (Extension PIN [Personal Identification Number])

You can assign a password to each extension.
The following features require an extension PIN.

1. Screening calls (Live Call Screening [LCS])
2. Prohibiting other people from seeing your personal directory and call log (Directory and Call Log Lock)
3. Using the same settings as your extension at other extensions (Walking Extension)
4. Remote Control Operation (Walking COS)
5. Extension Lock Clear

To set



To cancel

- **WARNING**

When a third party discovers the password (extension PIN) of the PBX, there will be a risk that they will make fraudulent phone calls using the telephone line, and the cost will be charged to your own account. In order to avoid this problem, we strongly recommend the following points:

- a) Carefully maintain the secrecy of the PIN.
- b) Specify a complicated PIN as long and random as you can make it.
- c) Change the PIN frequently.

- Valid numbers for an extension PIN are "0" through "9".
- If the wrong extension PIN is entered for a preprogrammed number of times, the PIN is locked.
- If you forget your extension PIN or your extension PIN is locked, your manager can clear the extension PIN and extension PIN lock.

- Setting Features
- Clearing Features

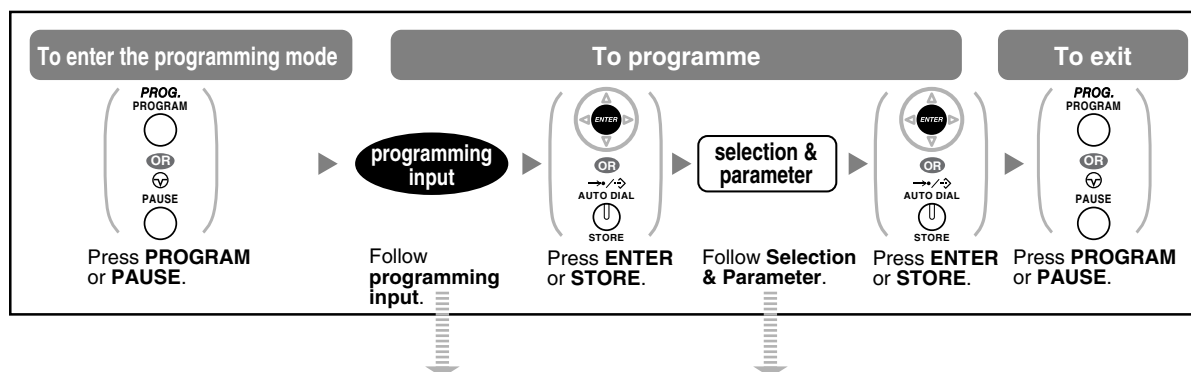


- To exit at any time, lift the handset.
- To enter the programming mode when using a PS, refer to "Operating Instructions" for PS.

Setting Features

Notice




The default value may vary depending on country/area. For more details, consult your dealer.



Item	Programming Input	Selection & Parameter	
Your extension information	<input type="text" value="0"/> <input type="text" value="0"/>	<p>PT: The display shows the PBX number, slot number and port number. <example></p> <p>EXT1050:10308 PBX no. <input type="text" value="1"/> <input type="text" value="0"/> <input type="text" value="3"/> <input type="text" value="0"/> <input type="text" value="8"/> Slot no. <input type="text" value="1"/> Port no. <input type="text" value="0"/> <input type="text" value="3"/> <input type="text" value="0"/> <input type="text" value="8"/></p> <p>PS: The display shows the PS number. <example></p> <p>EXT3001:99001 Slot no. <input type="text" value="1"/> PS no. <input type="text" value="9"/> <input type="text" value="9"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="1"/></p>	
Preferred display contrast level from the 4 levels available (Display Contrast Selection)*1	<input type="text" value="0"/> <input type="text" value="1"/>	<input type="text" value="1"/>	<input type="checkbox"/> Light
		<input type="text" value="2"/>	<input type="checkbox"/> Little Light
		<input type="text" value="3"/>	<input type="checkbox"/> Little Dark
		<input type="text" value="4"/>	<input type="checkbox"/> Dark


Item	Programming Input	Selection & Parameter	
Which display language do you prefer? (Display Language Selection)	0 2	1	<input type="checkbox"/> English
		2	<input type="checkbox"/> 2nd Language
		3	<input type="checkbox"/> 3rd Language
		4	<input type="checkbox"/> 4th Language
		5	<input type="checkbox"/> 5th Language
Would you like the call duration to be shown automatically on the display when answering an outside call? (Display Switching Mode)	0 3	0	<input type="checkbox"/> No—Manual (The display keeps showing all of the outside caller's information unless you change it to the call duration manually.)
		1	<input type="checkbox"/> Yes—Automatic (The first line of the display will change to the call duration automatically when you answer an outside call.)
Would you like to turn on the display backlight of the KX-T7633/KX-T7636? (Display Backlight Selection)*1	0 4	0	<input type="checkbox"/> Yes—ON in use
		1	<input type="checkbox"/> Yes—always ON
		2	<input type="checkbox"/> No—always OFF
Would you like to dial a preset number simply by going off-hook?	1 1	desired no. (max. 32 digits)	
	1 2	0	<input type="checkbox"/> Do not use
		1	<input type="checkbox"/> Use
Should you prevent your number being displayed on the called party's telephone? (Calling Line Identification Restriction [CLIR])	1 3	0	<input type="checkbox"/> No—Allows your number to be displayed
		1	<input type="checkbox"/> Yes—Prevent your number being displayed
Which number should be displayed on the called and calling party's telephone? (Calling/Connected Line Identification Presentation [CLIP/COLP])	1 4	0	Caller ID assigned to your extension
		1	Caller ID assigned on the outside line being used

3.1 Customising Your Phone (Personal Programming)

Item	Programming Input	Selection & Parameter	
Which do you prefer to seize when you go off-hook to make calls? (Preferred Line Assignment—Outgoing)	1 9	0	<input type="checkbox"/> No line
		1	<input type="checkbox"/> An idle outside line
		2 + CO button no. (01-36)* ² or  (CO)	<input type="checkbox"/> A CO/ICD Group button
		3 or INTERCOM 	<input type="checkbox"/> Intercom
Which line do you prefer to answer when you go off-hook? (Preferred Line Assignment—Incoming)	2 0	0	<input type="checkbox"/> No line
		1	<input type="checkbox"/> The longest ringing line (when multiple calls arrive)
		2 + CO button no. (01-36)* ² or  (CO)	<input type="checkbox"/> An assigned outside button
How do you prefer to receive an intercom call? (Alternate Receiving—Ring/Voice)* ¹	2 1	0	<input type="checkbox"/> Ringing (Tone Call)
		1	<input type="checkbox"/> Directly—The party's voice is heard without ringing.
		2	<input type="checkbox"/> Ring only—Prohibiting the caller switching to the voice mode.
Should the single line telephone in parallel ring? (Paralleled Telephone)* ^{1*3}	2 2	0	<input type="checkbox"/> No—The telephone will not ring.
		1	<input type="checkbox"/> Yes—The telephone will ring.

Item	Programming Input	Selection & Parameter	
Do you prefer to answer a call without going off-hook regardless of the AUTO ANS button status? (Forced Answerback Selection)* ¹	2 3	0	<input type="checkbox"/> No—Disable
		1	<input type="checkbox"/> Yes—Enable
Which service do you prefer when a calling party is recording a message in your mailbox? (Live Call Screening Mode Set)* ¹	2 5	0	<input type="checkbox"/> You can monitor the message through the telephone speaker. (Hands-free mode)
		1	<input type="checkbox"/> Only an alarm tone is heard. (Private mode)
Would you like to keep recording after answering the call in the LCS mode? (LCS Mode Set [After Answering])	2 6	0	<input type="checkbox"/> No—Stop recording
		1	<input type="checkbox"/> Yes—Keep recording
Do you prefer to receive call waiting for outside calls?	3 0	0	<input type="checkbox"/> No (No tone)
		1	<input type="checkbox"/> Yes (Tone)
Which type of call waiting for intercom calls do you prefer? (Call Waiting Selection)	3 1	0	<input type="checkbox"/> No call
		1	<input type="checkbox"/> Tone
		2	<input type="checkbox"/> Voice announcement through the built-in speaker (OHCA)* ⁴
		3	<input type="checkbox"/> Voice announcement through the handset (Whisper OHCA)* ⁴
Which type of call waiting tone do you prefer? (Call Waiting Tone Type Selection)	3 2	0	<input type="checkbox"/> Tone 1
		1	<input type="checkbox"/> Tone 2
Would you like to show a message on the caller's telephone display? (Absent Message)	4 0	0	<input type="checkbox"/> No—Off
		message no. (1-8)	<input type="checkbox"/> Yes—Shows the selected message.
		9	<input type="checkbox"/> Yes—Shows your personal message.
Creating your personal message (Personal Absent Message)	4 1	message (max. 16 characters)	

3.1 Customising Your Phone (Personal Programming)

Item	Programming Input	Selection & Parameter	
Where are your incoming calls forwarded or refused? (Call Forwarding [FWD])/Do Not Disturb [DND]	 (for both calls) (for outside calls) (for intercom calls)	<input type="text" value="0"/>	<input type="checkbox"/> Off
		<input type="text" value="1"/>	<input type="checkbox"/> Do Not Disturb (DND)
		<input type="text" value="2"/> + desired no. (max. 32 digits)	<input type="checkbox"/> All—Forward all calls
		<input type="text" value="3"/> + desired no. (max. 32 digits)	<input type="checkbox"/> Busy—Forwarded when your extension is busy.
		<input type="text" value="4"/> + desired no. (max. 32 digits)	<input type="checkbox"/> No Answer—Forwarded when you do not answer.
		<input type="text" value="5"/> + desired no. (max. 32 digits)	<input type="checkbox"/> Busy/No Answer—Forwarded when you do not answer or when your extension is busy.
To set the timer for "No Answer" and "Busy/No Answer" (FWD N/A Timer)	<input type="text" value="5"/> <input type="text" value="3"/>	<input type="text"/> (0-120) seconds (Default: 15 seconds)	
Should you prohibit other people from picking up your calls? (Call Pickup Deny)	<input type="text" value="6"/> <input type="text" value="0"/>	<input type="text" value="0"/>	<input type="checkbox"/> No—Allow
		<input type="text" value="1"/>	<input type="checkbox"/> Yes—Deny
Do you use the headset? (Headset Operation)*1*3	<input type="text" value="6"/> <input type="text" value="1"/>	<input type="text" value="0"/>	<input type="checkbox"/> No—Headset off
		<input type="text" value="1"/>	<input type="checkbox"/> Yes—Headset on
Do you prohibit other people from joining your conversation? (Executive Busy Override Deny)	<input type="text" value="6"/> <input type="text" value="2"/>	<input type="text" value="0"/>	<input type="checkbox"/> No—Allow
		<input type="text" value="1"/>	<input type="checkbox"/> Yes—Deny
Would you like to prohibit paging announcements? (Paging Deny)*1	<input type="text" value="6"/> <input type="text" value="3"/>	<input type="text" value="0"/>	<input type="checkbox"/> No—Allow
		<input type="text" value="1"/>	<input type="checkbox"/> Yes—Deny
Do you prefer to hear the key pad tone? (Key Pad Tone Set)*1	<input type="text" value="6"/> <input type="text" value="4"/>	<input type="text" value="0"/>	<input type="checkbox"/> No—Off
		<input type="text" value="1"/>	<input type="checkbox"/> Yes—On

Item	Programming Input	Selection & Parameter	
Do you want back ground music through your telephone speaker while on-hook? (Background Music [BGM])* ¹	6 5	0	<input type="checkbox"/> No—Off
		KX-TDA100/KX-TDA200: 1 + BGM no. (1digit) KX-TDA30: 1 1	<input type="checkbox"/> Yes—On
Would you like to set your extension PIN or change a stored extension PIN to new one? (Extension PIN [Personal Identification Number])	9 0	extension PIN (max. 10 digits) + ENTER/STORE + same extension PIN	To set an extension PIN
		stored extension PIN + new extension PIN (max. 10 digits) + ENTER/STORE + same extension PIN	To change a stored extension PIN to new one
To prevent other people from using your telephone (Extension Lock)	9 1	extension PIN (max. 10 digits) + 0	<input type="checkbox"/> To unlock
		extension PIN (max. 10 digits) + 1	<input type="checkbox"/> To lock
To prevent other people from seeing your personal directory and call log (Directory and Call Log Lock)* ¹	9 2	extension PIN (max. 10 digits) + 0	<input type="checkbox"/> To unlock
		extension PIN (max. 10 digits) + 1	<input type="checkbox"/> To lock
Do you prefer to set the One-touch dialling only? (One-touch Dialling Assignment Mode Selection)	# *	0	<input type="checkbox"/> No—Normal (Any Flexible CO buttons can be modified.)
		1	<input type="checkbox"/> Yes—Only One-touch dialling buttons can be modified. However, to modify them, there is no need to enter "2" before the number.

*1: Not available for a PS

*2: CO button numbers (25-36) are available only when the Add-on Key Module is set up to your telephone.

3.1 Customising Your Phone (Personal Programming)

*3: Not available for the KX-T7665

*4: Only available for certain digital proprietary telephones. Consult your dealer.



- **WARNING**

When a third party discovers the password (extension PIN) of the PBX, there will be a risk that they will make fraudulent phone calls using the telephone line, and the cost will be charged to your own account. In order to avoid this problem, we strongly recommend the following points:

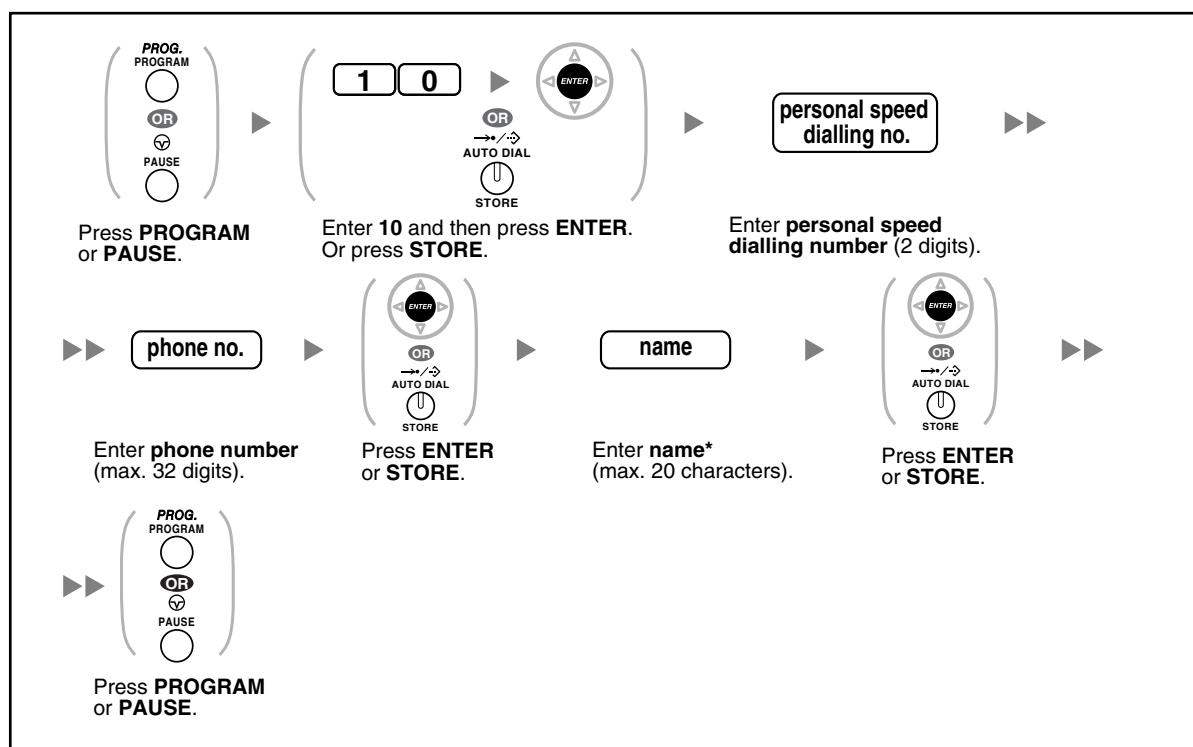
- a) Carefully maintain the secrecy of the PIN.
- b) Specify a complicated PIN as long and random as you can make it.
- c) Change the PIN frequently.

- After the programme number is entered, the programme title is displayed. The programming screen can be changed with the Navigator Key (Up or Down).



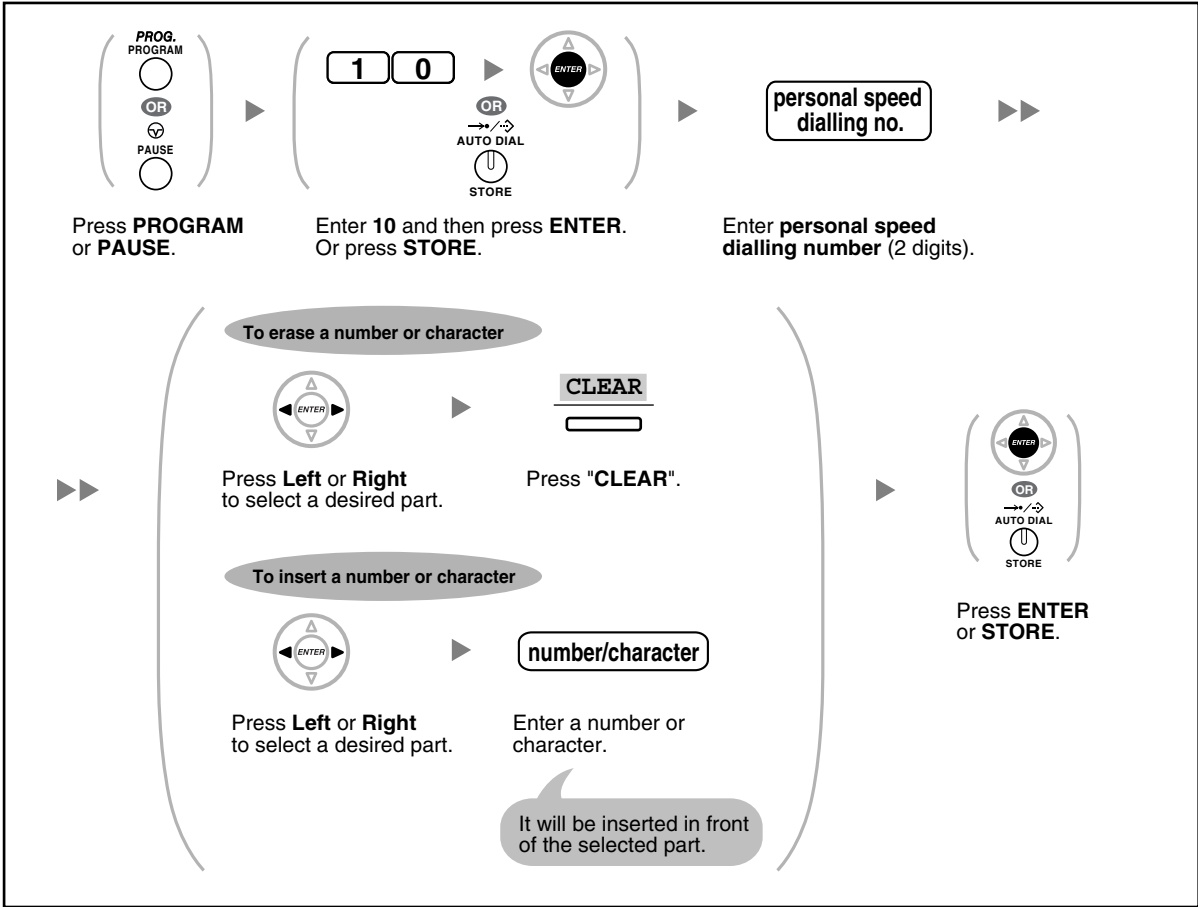
- You can select the parameter with the Navigator Key (Up or Down) instead of entering a number.

To store the names and numbers in personal speed dialling



- * To enter characters, refer to "Entering Characters".
- The maximum number of personal speed dialling numbers (default: 10 numbers, 00-09) can be increased up to 100 numbers. For more details, consult your dealer.

To edit the names and numbers of personal speed dialling

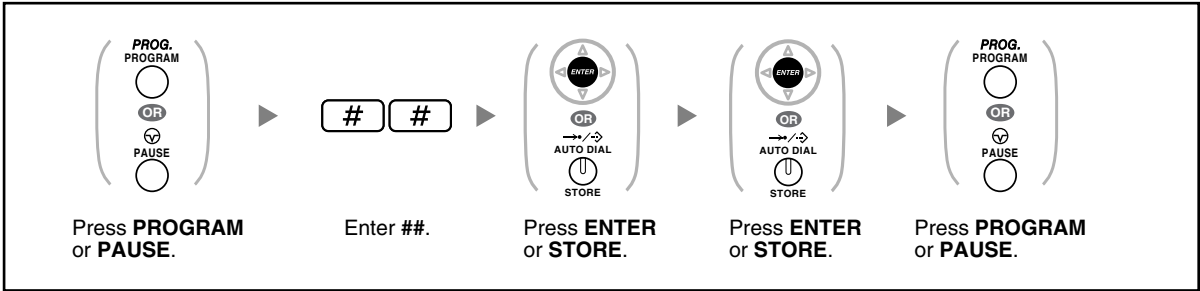


Clearing Features

You can clear or change to features as follows:

Features	Default Setting
Display Switching Mode	Automatic
Hot Line	Off
Calling Line Identification Restriction [CLIR]	Allow
Calling/Connected Line Identification Presentation [CLIP/COLP]	Caller ID assigned on your extension
Preferred Line Assignment—Outgoing	Intercom
Preferred Line Assignment—Incoming	The longest ringing line
Alternate Receiving—Ring/Voice	Ringing (Tone Call)
Paralleled Telephone	Paired SLT will ring
Forced Answerback Selection	Disable
Live Call Screening Mode Set	Hands-free mode
LCS Mode Set [After Answering]	Stop recording
Call Waiting Selection—Intercom/Outside Calls	Disable (No call/No tone)
Call Waiting Tone Type Selection	Tone 1
Absent Message	Off
Personal Absent Message	Cleared
Call Forwarding [FWD]/Do Not Disturb [DND]—Intercom/Outside Calls	Off
FWD N/A Timer	15 seconds
Call Pickup Deny	Allow
Headset Operation	Headset off
Executive Busy Override Deny	Allow
Paging Deny	Allow
Key Pad Tone Set	On
Background Music [BGM]	Off
Data Line Security	Off
Connected Line Identification Restriction [COLR]	Allow
Log-in/Log-out	Log-in
Message Waiting	Off
Timed Reminder	Cleared

To set



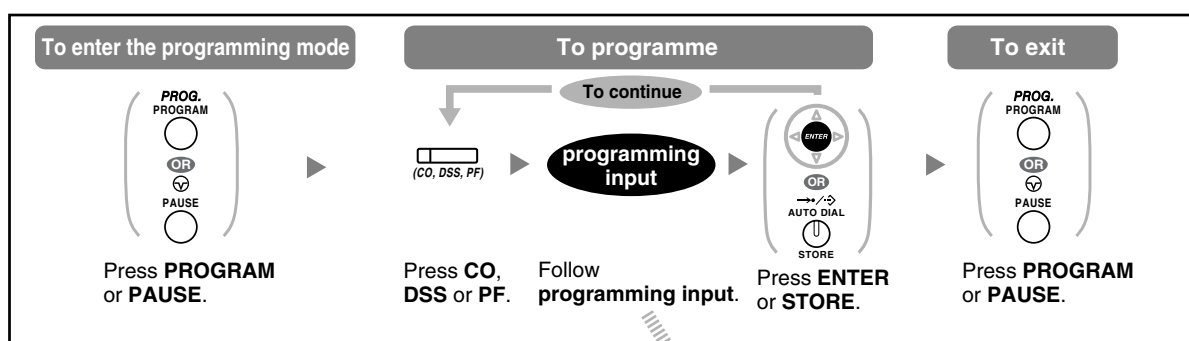
- If you do not desire that the Call Waiting, FWD/DND or Hot Line to be cleared by this feature, please ask your dealer.

3.1.3 Customising the Buttons

You can change the flexible CO buttons/DSS buttons, and programmable feature (PF) buttons on PTs, DSS Consoles, Add-on Key Modules, and PSs to the following feature buttons. For example, if your telephone has more CO buttons than available outside lines, you may change unused CO buttons to one-touch buttons.



- To enter the programming mode when using a PS, refer to "Operating Instructions" for PS.



Buttons	Programmable Button			Programming Input
	CO	DSS	PF	
Loop-CO (L-CO)	✓	✓		*
Group-CO (G-CO)	✓	✓		# + Outside line group no. (2 digits)
Single-CO (S-CO)	✓	✓		0 + Outside line no. (3 digits)
Direct Station Selection (DSS)	✓	✓		1 + Extension no.
One-touch Dialling*1	✓	✓	✓	2 *2 + Desired no. (max. 32 digits)
Incoming Call Distribution Group (ICD Group)	✓	✓		3 0 + Incoming call distribution group extension no.
Message	✓	✓		4 0
Message for another extension	✓	✓		4 0 + Extension no./Incoming call distribution group extension no.
Call Forwarding (FWD)/Do Not Disturb (DND)—Both calls	✓	✓		4 1
FWD/DND—Outside calls	✓	✓		4 2
FWD/DND—Intercom calls	✓	✓		4 3

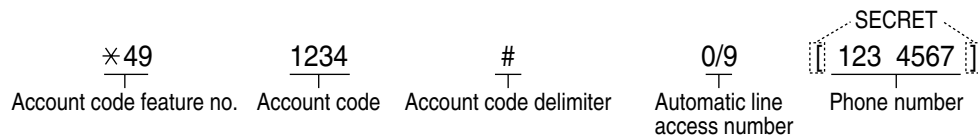
Buttons	Programmable Button			Programming Input
	CO	DSS	PF	
Group FWD—Both calls	✓	✓		[4] [4] + Incoming call distribution group extension no.
Group FWD—Outside calls	✓	✓		[4] [5] + Incoming call distribution group extension no.
Group FWD—Intercom calls	✓	✓		[4] [6] + Incoming call distribution group extension no.
Account	✓	✓		[4] [8]
Conference	✓	✓		[4] [9]
Terminate	✓	✓		[5] [0]
External Feature Access (EFA)	✓	✓		[5] [1]
Charge Reference	✓	✓		[5] [2]
Call Park	✓	✓		[5] [3] + Parking zone no. (2 digits)
Call Park (Automatic Park Zone)	✓	✓		[5] [3] [*]
Call Log* ³	✓	✓		[5] [4]
Call Log for ICD Group* ³	✓	✓		[5] [4] + Incoming call distribution group extension no.
Log-in/Log-out	✓	✓		[5] [5]
Log-in/Log-out of a specified group	✓	✓		[5] [5] + Incoming call distribution group extension no.
Log-in/Log-out for all groups	✓	✓		[5] [5] [*]
Hurry-up	✓	✓		[5] [6] + Incoming call distribution group extension no.
Wrap-up	✓	✓		[5] [7]
System Alarm* ³	✓	✓		[5] [8]
Time Service (Day/Night/Lunch/Break)	✓	✓		[5] [9] + 0/1/2/3* ⁴ (+ [#] + Tenant no.)
Answer* ³	✓	✓		[6] [0]

3.1 Customising Your Phone (Personal Programming)

Buttons	Programmable Button			Programming Input
	CO	DSS	PF	
Release* ³	✓	✓		6 1
Toll Restriction/Call Barring	✓	✓		6 2 + Toll Restriction/Call Barring Level (1-7)
ISDN Service* ⁵	✓	✓		6 3 + Desired no. (max. 32 digits)
Calling Line Identification Restriction (CLIR)	✓	✓		6 4
Connected Line Identification Restriction (COLR)	✓	✓		6 5
ISDN-Hold	✓	✓		6 6
Headset* ³ * ⁶	✓	✓		6 7
Time Service Switching Mode (Automatic/Manual)	✓	✓		6 8 (+ Tenant no.)
Network Direct Station Selection (NDSS)* ⁸	✓	✓		6 9 + Another PBX extension no.
CTI	✓			7 0
Check-in* ³	✓	✓		8 0
Check-out* ³	✓	✓		8 1
Two-way Record* ⁷	✓	✓		9 0 + Voice mail floating extension no.
Two-way Transfer* ⁷	✓	✓		9 1 + Voice mail floating extension no.
One-touch Two-way Transfer* ⁷	✓	✓		9 1 + Voice mail floating extension no. + # + Extension no./Incoming call distribution group extension no.
Live Call Screening (LCS)* ⁷	✓	✓		9 2
Voice Mail Transfer* ⁷	✓	✓		9 4 + Voice mail floating extension no.



- *1 "×", "#", FLASH/RECALL, PAUSE, SECRET (INTERCOM) and T (Transfer) can also be stored.
If you do not want to display the stored number when making a call, press the SECRET (INTERCOM) button before and after the numbers you wish to conceal.
If you store an outside party's number, you should first store a line access number.
If you need to enter an account code, you can enter the specified account code before the line access number.
<Example>

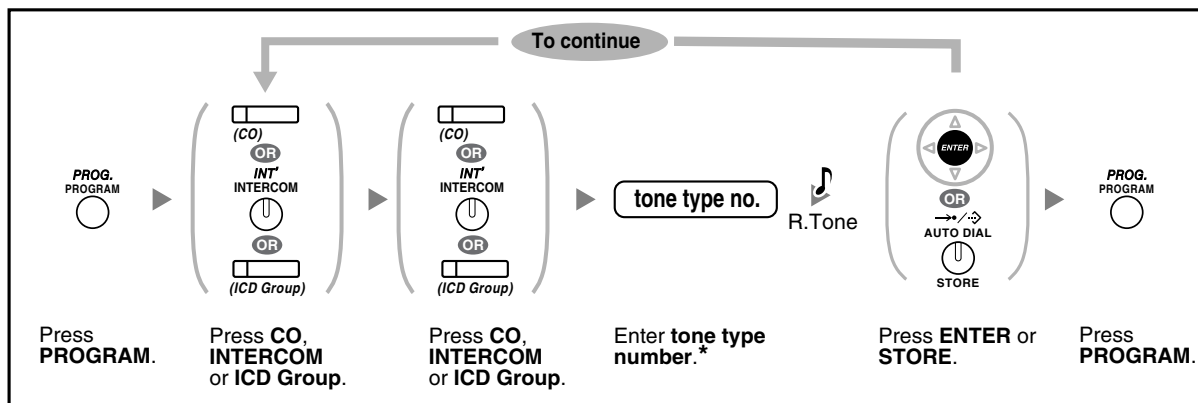


- *2 For a PF button, "2" is not required to enter before the desired number.
- *3 This button is not available for a PS.
- *4 0: Day/Night/Lunch/Break, 1: Day/Night/Break, 2: Day/Night/Lunch, 3: Day/Night
- *5 Availability of this button depends on the ISDN service of your telephone company. Refer to "1.2.5 Accessing the ISDN Service (ISDN Service Access)".
- *6 This button is not available for the KX-T7665.
- *7 This button is used for the integrated voice mail features.
- *8 The button may not be available depending on the networking method in use or the settings of the PBX. For more details, consult your dealer.
- To exit at any time**, lift the handset.



- You can select the parameter with the Navigator Key (Up or Down) instead of entering a number.

To distinguish the ringing tones for each CO, INTERCOM or ICD Group button (Digital proprietary telephone only)

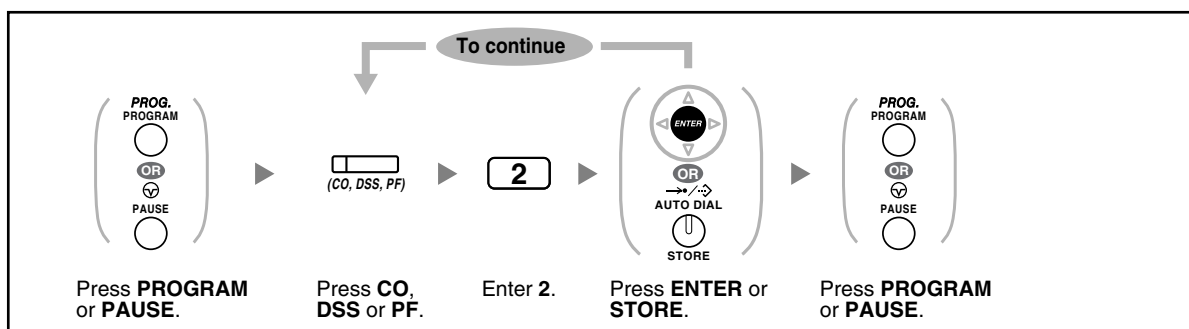


3.1 Customising Your Phone (Personal Programming)



- * Available tone types vary depending on the telephone you are using:
 - KX-T7600 series (except KX-T7665): Tone types "01" to "30" are available.
 - KX-T7665: Only tone types "01" to "08" are available.
It is possible to enter a tone type number from "09" to "30", but you will hear tone type "01".
 - Other telephones: Only tone types "01" to "08" are available.
It is possible to enter a tone type number from "09" to "30", but you will hear tone type "02".

To clear the button



3.2 Manager Programming

3.2.1 Programming Information

The manager can programme the following items.

- Call Charges
- Other Extensions Control

Available Extension

The extension assigned as a manager

Required Telephone

A Panasonic Proprietary Telephone with display (over 2 lines)
(e.g., KX-T7636)

Manager Password

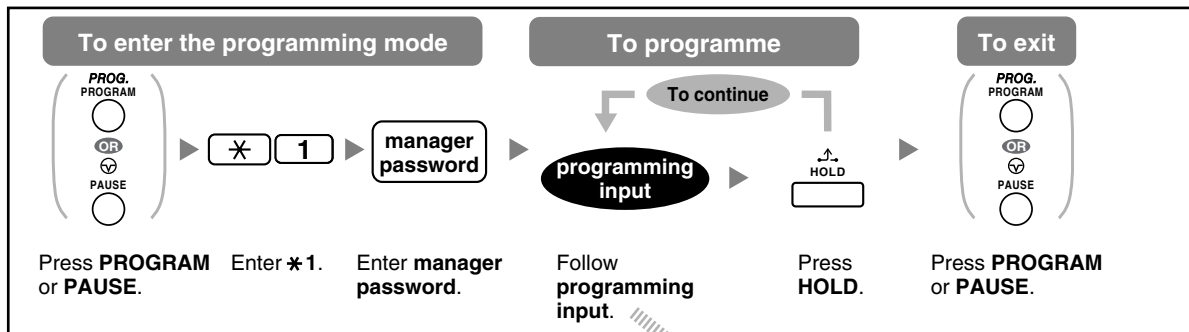
To enter programming mode, the manager password (max. 10 digits) is required. (Default: 1234)

Conditions









The programming extension must be idle, on-hook and holding no calls.

3.2.2 Manager Programming

◆◆ Changing Call Charges and Extension Control



Item	Programming Input
Changing the manager password.	0 0 + + Password (max. 10 digits) +
Viewing extension call charges.	0 1 + + Extension no.
Clearing extension call charges.	0 1 + + Extension no. + +
Setting the budget for extension call charges.	0 2 + + Extension no. + Charge* +
Viewing call charges for each verified code.	0 3 + + Verified code
Clearing call charges for each verified code.	0 3 + + Verified code + +
Setting the budget for each verified code.	0 4 + + Verified code + Charge* +
Viewing call charges for each outside line.	0 5 + + Outside line no. (3 digits)
Assigning a charge rate for each outside line group.	0 6 + + Outside line group no. (2 digits) + Charge rate* +
Clearing all charges.	0 7 + +
Printing the total call charge.	0 8 + +
Locking/unlocking other extensions. (Remote Extension Lock)	9 0 + + Extension no. + 1 (to lock)/ 0 (to unlock) +
Clearing the PIN and PIN lock for extensions.	9 1 + + Extension no. +

Item	Programming Input
Clearing the PIN and PIN lock for verified codes.	  +  + Verified code + 
Setting the verified code PIN.	  +  + Verified code + PIN (max. 10 digits) + 



- WARNING**
 When a third party discovers the password (verified code PIN) of the PBX, there will be a risk that they will make fraudulent phone calls using the telephone line, and the cost will be charged to your own account. In order to avoid this problem, we strongly recommend the following points:
 - Carefully maintain the secrecy of the PIN.
 - Specify a complicated PIN as long and random as you can make it.
 - Change the PIN frequently.
- * To enter a decimal point, press \times .

3.3 Customising Your System (System Programming)

3.3.1 Programming Information

You can customise your system according to your requirements.
[Your system already has default settings (factory installed).]

The programming is shown below. (Programme number)

- The date and time [000]
- System speed dialling numbers and names [001]/[002]
- Extension number and name [003]/[004]

Available Extension

The extension allowed through COS programming

Required Telephone

A Panasonic Proprietary Telephone with display (over 2 lines)
(e.g., KX-T7636)

System Password

To enter programming mode, the system password (max. 10 digits) is required. (Default: 1234)

Conditions

The programming extension must be idle, on-hook and holding no calls.

List

Before programming, decide the settings and write them down. Your notes will provide a useful record of the programming for future reference. Your dealer also has programming records which contain all of the system programming. You may ask for photo copies of these tables to be aware of the facilities and features available.

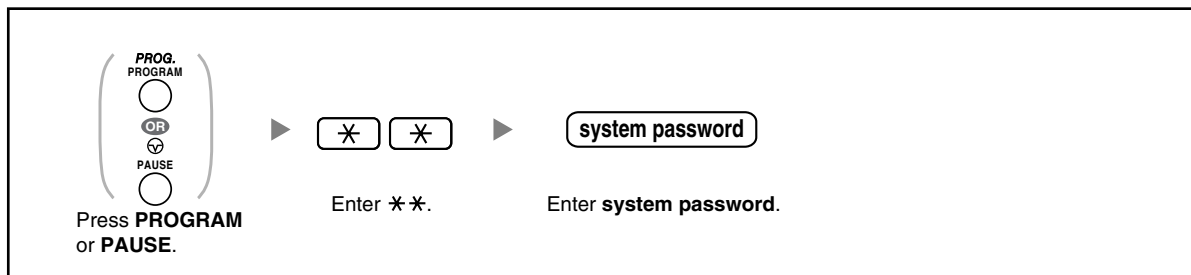
Icon Descriptions

Fixed Buttons		Function
T7600/NT136	T7200/T7400/T7500	
		PREVIOUS (PREV)
		NEXT
		➡
		⬅
		STORE (ENTER)
	None	Back to Previous Menu (CANCEL)
		SHIFT
		PROGRAM
		END
		SELECT
		FLASH
		CLEAR
		SECRET

◆◆ Procedure

The basic steps are shown below.

1. *Entering the programming mode*



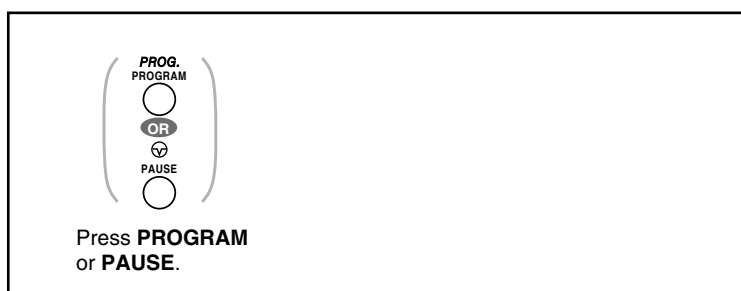
2. *Programming*

You can enter each programme number (3 digits).



- To exit the programming mode at any time, lift the handset.

3. *Exiting the mode*



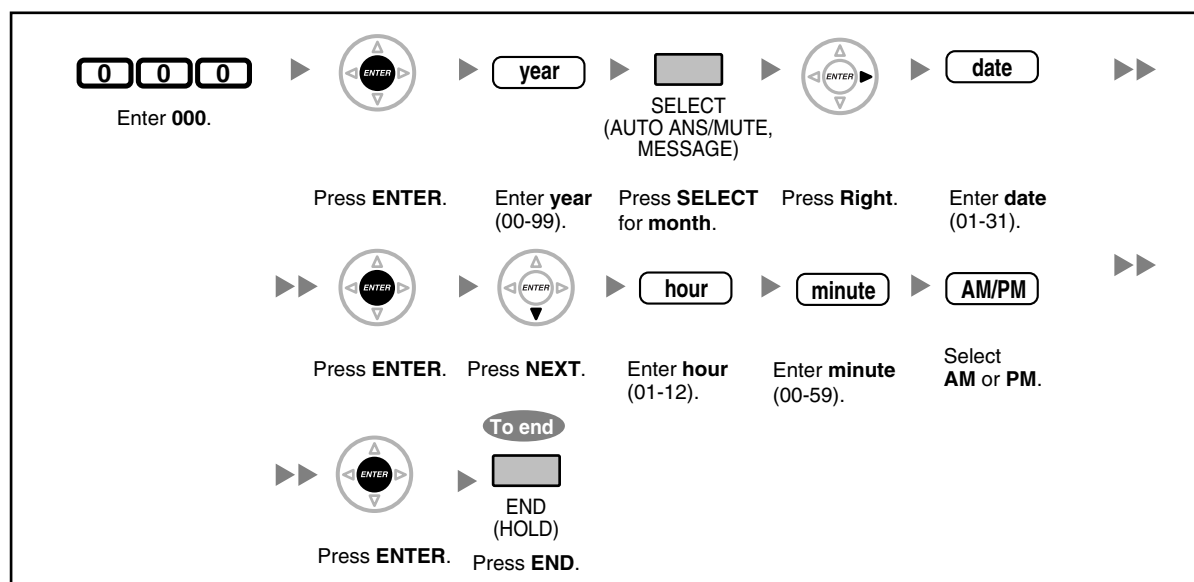
- To exit the programming mode at any time, lift the handset.

3.3.2 System Programming

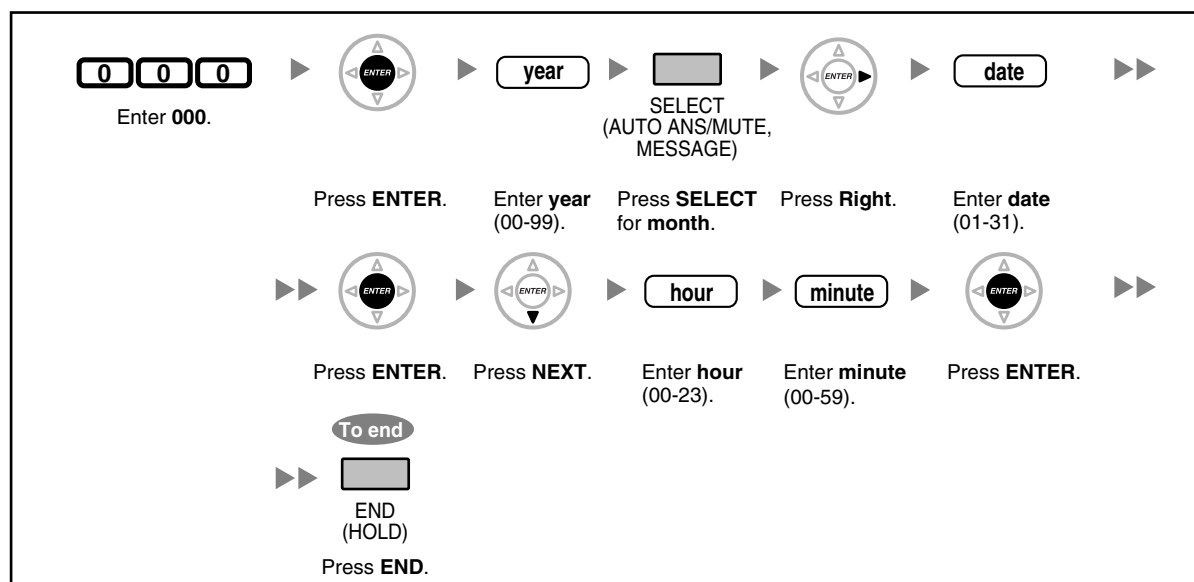
◆◆ Date & Time [000]

The proprietary telephones display the current date and time while on-hook.

[In 12-hour Format]



[In 24-hour Format]

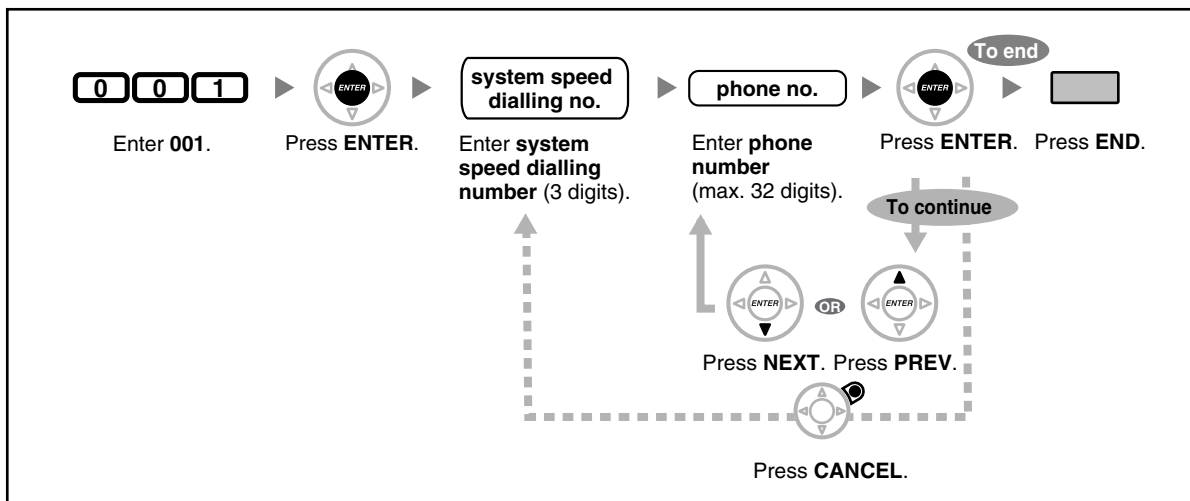




- **After changing the desired values**, you can press the ENTER button. You do not have to perform the rest of the steps.
- The clock starts immediately after the ENTER button is pressed.
- You cannot leave a value empty.
- You can clear the entry by pressing the CLEAR button.
- **To confirm your entry after storing data:**
 - The STORE button light: Lights red
 - Confirmation Tone:
One beep: Your entry is accepted.
Three beeps: Your entry is rejected.

◆◆ System Speed Dialling Number [001]

You can store the phone numbers of frequently dialled destinations.

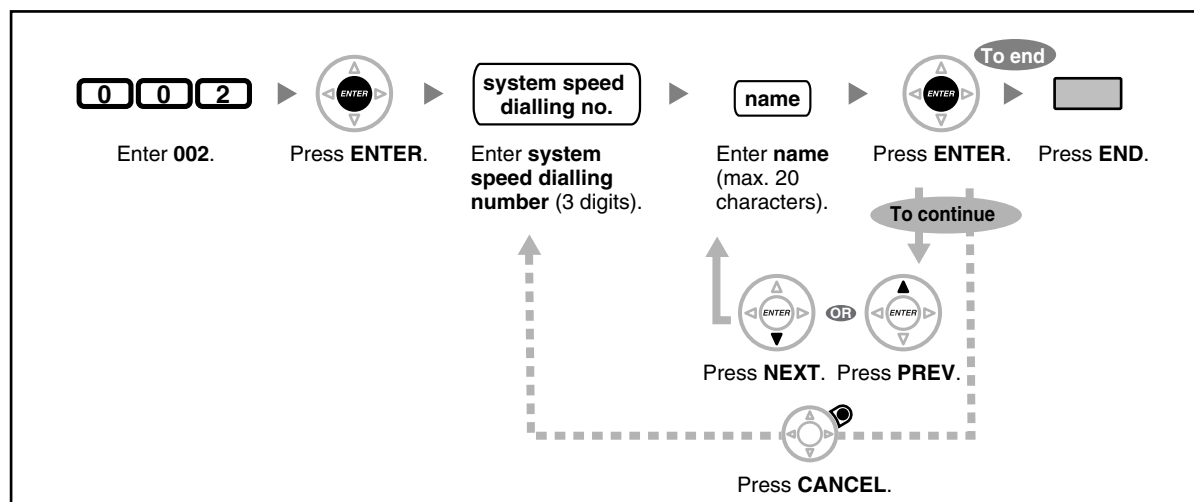


- If the desired number is more than 32 digits, divide the number and store it into a speed dialling number.
 - "×", "#", FLASH/RECALL, PAUSE, and SECRET (INTERCOM) can also be stored.
If you do not want to display the stored number when making a call, press the SECRET (INTERCOM) button before and after the numbers you wish to conceal.
If you store an outside party's number, you should first store a line access number.
If you need to enter an account code, you can enter the specified account code before the line access number.
- <Example>

×49	1234	#	0/9	SECRET 123 4567
Account code feature no.	Account code	Account code delimiter	Automatic line access number	Phone number

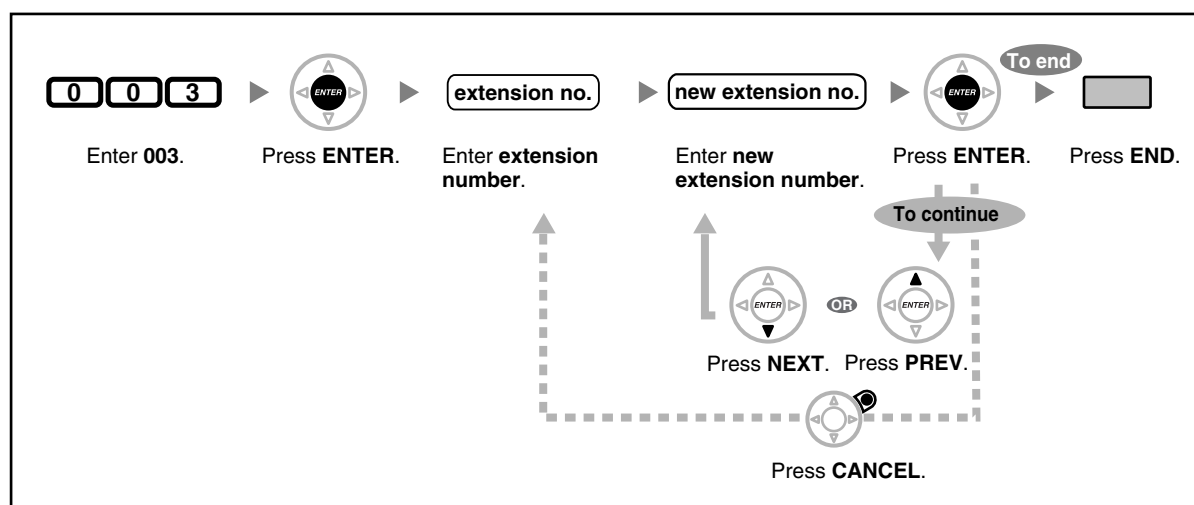
◆◆ System Speed Dialling Name [002]

You can store the name associated with the speed dialling number. These names are displayed when making calls using the display operation. To enter characters, refer to "Entering Characters".



◆◆ Extension Number [003]

You can assign an extension number to each extension.

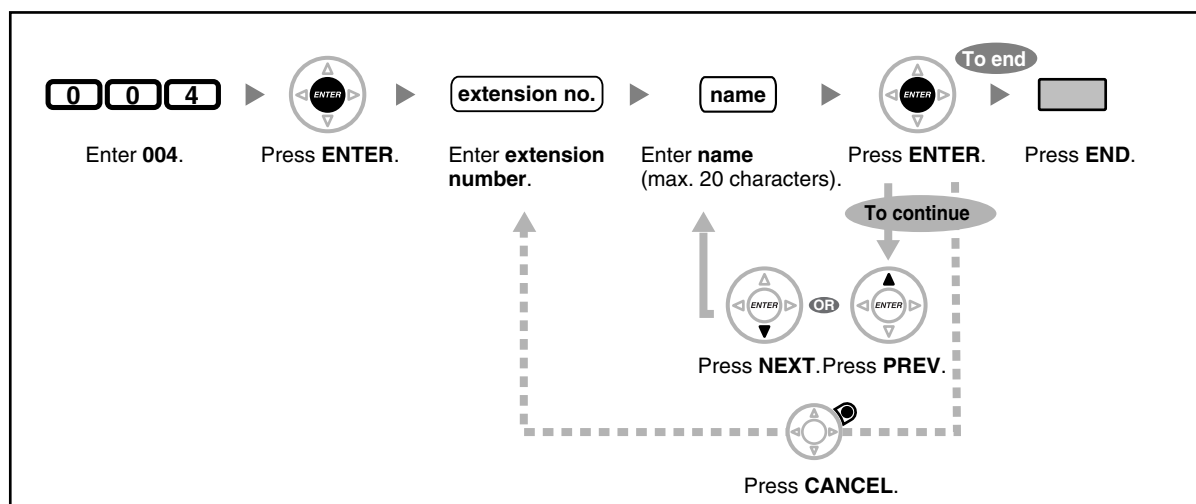


- The leading number(s) should be the same as the number(s) assigned for Flexible Numbering. Consult your dealer.
- A duplicate entry is invalid.

◆◆ Extension Name [004]

You can store the name of an extension user. This is useful if you want to know who is calling, or who you are calling when making an intercom call using the directory.

To enter characters, refer to "Entering Characters".



Section 4







Appendix












This chapter provides the Troubleshooting, the Feature Number Table and Tone List. Check the Troubleshooting section before consulting your dealer.

4.1 Troubleshooting

4.1.1 Troubleshooting

◆◆ Troubleshooting

Problem	Remedy
The telephone does not work properly.	<ul style="list-style-type: none"> ➡ Consult your dealer.
I cannot use the telephone.	<ul style="list-style-type: none"> • The telephone is locked. ➡ Unlock your telephone. ( 1.5.3 Preventing Other People from Using Your Telephone (Extension Lock), 2.1.1 Extension Control) • Your telephone is connected to an eXtra Device Port. ➡ System programming is required. Consult your dealer.
Some features do not work.	<ul style="list-style-type: none"> • System management may restrict certain features. ➡ Consult your manager. • The feature numbers have changed. ➡ Confirm the revised number and try again.
Even though following the manual instructions, none of the operations work when using a proprietary telephone.	<ul style="list-style-type: none"> • The Intercom line was not seized. The seized line, when going off-hook, was changed by personal setting. ( 3.1.2 Settings on the Programming Mode) ➡ In the manual, going off-hook means an Intercom line is seized. If the setting has been changed, press the INTERCOM button after going off-hook and follow the instructions.
The paralleled single line telephones do not ring.	<ul style="list-style-type: none"> • "No ring" may be selected. Change the setting to ring. ( 1.7.11 Setting the Paralleled Telephone to Ring (Paralleled Telephone))
The telephone does not work using the personal settings or with other settings. (One-touch dialling, forwarding destination, etc.)	<ul style="list-style-type: none"> • The extension line has been changed. The previous telephone's settings have not been cleared. ➡ Clear the settings and then programme your desired settings again. ( 1.7.13 Clearing Features Set at Your Extension (Extension Feature Clear), 3.1.1 Customising Your Phone (Personal Programming), 3.1.3 Customising the Buttons)
My proprietary telephone does not have a feature button.	<ul style="list-style-type: none"> • Some models do not have the feature button. ➡ Change a flexible button to the desired button. ( 3.1.3 Customising the Buttons) ➡ Enter the specified feature number instead of the feature button. ( 1.1.1 Before Operating the Telephones)

Problem	Remedy
A reorder tone is audible or "Restricted" is displayed.	<ul style="list-style-type: none"> • The telephone is locked. ➡ Unlock your telephone. ( 1.5.3 Preventing Other People from Using Your Telephone (Extension Lock), 2.1.1 Extension Control) • Toll restriction is activated. ➡ Consult your manager or dealer. • An account code is required. ( 1.2.7 Calling without Restrictions, Using an Account Code (Account Code Entry) in 1.2.1 Basic Calling)
I cannot make an outside call using the One-touch Dialling button or speed dialling.	<ul style="list-style-type: none"> • A line access number was not stored. ➡ A line access number is required for outside calls. ( 1.2.1 Basic Calling, 3.1.3 Customising the Buttons)
I cannot remember the feature numbers.	<ul style="list-style-type: none"> • ➡ Ask your dealer to change the feature numbers for easier use.
While talking to an outside party, the line is disconnected.	<ul style="list-style-type: none"> • The time limit has run out. ( 1.4.1 Transferring a Call (Call Transfer), 1.4.5 Multiple Party Conversation) ➡ Consult your dealer to extend the time, if necessary.
Redialling does not function.	<ul style="list-style-type: none"> • The stored number was more than 32 digits or an extension number. ( 1.2.3 Redial)
The personal computer and fax machine communication failed.	<ul style="list-style-type: none"> • An indication tone may have interrupted communication. ( 1.7.9 Protecting Your Line against Notification Tones (Data Line Security))
I do not want to show my telephone number to the calling or called party's telephone.	<ul style="list-style-type: none"> • ➡ Consult your manager or dealer.
I want to show my telephone number to the calling or called party's telephone.	<ul style="list-style-type: none"> • ( 1.7.4 Displaying Your Telephone Number on the Called Party and Caller's Telephone (Calling/Connected Line Identification Presentation [CLIP/COLP]))
I cannot send a call waiting tone to the dialled extension.	<ul style="list-style-type: none"> • The other party has not set the Call Waiting feature. ( Sending a Call Waiting Tone (Call Waiting), 1.4.4 Answering Call Waiting, 1.7.3 Receiving Call Waiting (Call Waiting/Off-hook Call Announcement [OHCA]/Whisper OHCA)) • The other party has set Data Line Security. ( 1.7.9 Protecting Your Line against Notification Tones (Data Line Security))
I forgot the password.	<ul style="list-style-type: none"> • Ask the manager to assist you. ( 2.1.1 Extension Control)
The background music started suddenly.	<ul style="list-style-type: none"> • ➡ Turn off the music. ( 1.7.8 Turning on the Background Music (BGM), 2.1.4 Turning on the External Background Music (BGM))

4.1 Troubleshooting

Problem	Remedy
I do not want to display a number which is stored in memory.	<ul style="list-style-type: none">➡ Conceal the number. (👉 Storing Names and Numbers, 3.1.3 Customising the Buttons)
I want to confirm my extension number.	<ul style="list-style-type: none">(👉 Your Extension Number in 1.1.1 Before Operating the Telephones)
The date and time are not correct.	<ul style="list-style-type: none">• Set the date and time by system programming. (👉 Date & Time [000] in 3.3.2 System Programming)
The display is not shown well.	<ul style="list-style-type: none">➡ Change the Display contrast level. (👉 3.1.2 Settings on the Programming Mode)
I want to distinguish the tones.	<ul style="list-style-type: none">(👉 To distinguish the ringing tones for each CO, INTERCOM or ICD Group button (Digital proprietary telephone only), 3.1.3 Customising the Buttons)
The MESSAGE button light lit.	<ul style="list-style-type: none">• Another extension left you a message waiting indication while you were on the phone or away from your desk.

4.2 Feature Number Table

4.2.1 Feature Number Table

Numbers listed below are the default settings. There are flexible feature numbers and fixed feature numbers. If you change the flexible feature numbers, fill in your assigned numbers (new) in the list for future reference.

Feature (While dial tone is heard)	Default (New)	Additional digits/buttons
1.2.1 Basic Calling To call an operator (Operator Call) To select an idle outside line automatically (Automatic Line Access) To select an idle outside line in the specified outside line group automatically (Outside Line Group Access) Making a Call to a Private Network (TIE Line Access) Using an Account Code (Account Code Entry)	9/0 () 0/9 () 8 () 7 () *49 ()	 outside phone no. outside line group no. (2 digits) + outside phone no. private phone no. account code + # + outside phone no.
1.2.2 Easy Dialling Using Numbers Stored at Your Extension (Personal Speed Dialling) – To store – To dial Using Numbers Stored in the PBX (System Speed Dialling) – To dial To a Preset Number by Going Off-hook (Hot Line) – To store – To set – To cancel	 *30 () ** () ** () *740 () 	 personal speed dialling no. (2 digits) + phone no. + # * + personal speed dialling no. (2 digits) system speed dialling no. (3 digits) 2 + phone no. + # 1 0
1.2.3 Redial Redialling the Last Number You Dialed (Last Number Redial)	# ()	

4.2 Feature Number Table

Feature (While dial tone is heard)	Default (New)	Additional digits/buttons
<p>1.2.4 When the Dialed Line is Busy or There is No Answer</p> <p>To cancel callback ringing (Automatic Callback Busy Cancel)/To cancel (CCBS Cancel)</p> <p>Leaving a Message Waiting Indication/ Calling Back the Caller Who Left an Indication (Message Waiting)</p> <p>For a caller</p> <ul style="list-style-type: none"> – To leave/cancel <p>For a called extension</p> <ul style="list-style-type: none"> – To call back – To clear 	<p>✱46 ()</p> <p>✱70 ()</p>	<p>1/0 + extension no.</p> <p>2</p> <p>0 + your extension no.</p>
<p>1.2.7 Calling without Restrictions</p> <p>Using Your Calling Privileges at Another Extension (Remote COS Access)</p> <p>To call with a verified code (Verified Code Entry)</p>	<p>✱47 ()</p>	<p>extension no. + extension PIN + phone no.</p> <p>✱ + verified code + verified code PIN + phone no.</p>
<p>1.2.8 To Access Another Party Directly from Outside (Direct Inward System Access [DISA])</p> <p>Calling through DISA</p> <ul style="list-style-type: none"> – To an extension (In All Security Mode only) – To an outside party (In Trunk Security Mode/All Security Mode only) 		<p>your extension no./(✱ + verified code) + extension PIN/verified code PIN + extension no.</p> <p>your extension no./(✱ + verified code) + extension PIN/verified code PIN + outside phone no.</p>
<p>1.2.9 Setting Your Telephone from Another Extension or through DISA (Remote Setting)</p> <ul style="list-style-type: none"> – From another extension – Through DISA 		<p>your extension no. + extension PIN + feature no.</p>

Feature (While dial tone is heard)	Default (New)	Additional digits/buttons
1.3.3 Answering a Call Ringing at Another Telephone (Call Pickup) Answering a Call from Another Telephone (Call Pickup) <ul style="list-style-type: none"> – Group – Directed Denying Other People the Possibility of Picking Up Your Calls (Call Pickup Deny) <ul style="list-style-type: none"> – To deny – To allow 	*40 () *41 () *720 ()	group no. (2 digits) extension no. 1 0
1.3.4 Answering a Call via an External Speaker (Trunk Answer From Any Station [TAFAS]) <ul style="list-style-type: none"> – Calls through an external speaker 	*42 ()	KX-TDA100/KX-TDA200: speaker no. (1 digit) KX-TDA30: 1
1.3.6 Identifying Malicious Calling Parties (Malicious Call Identification [MCID])	*7*3 ()	
1.4.1 Transferring a Call (Call Transfer) Transferring a Call Using the ISDN Service (Call Transfer [CT]—by ISDN)	*62 ()	phone no.
1.4.2 Holding a Call To hold (Call Hold)/To retrieve a call (Call Hold Retrieve) To retrieve a call (Call Hold Retrieve) <ul style="list-style-type: none"> – Specified with a held line number – Specified with a holding extension number Holding in a System Parking Zone (Call Park) <ul style="list-style-type: none"> – To set – To retrieve 	*50 () *53 () *51 () *52 ()	outside line no. which is held (3 digits) extension no. which has a held call parking zone no. (2 digits)/* stored parking zone no. (2 digits)

4.2 Feature Number Table

Feature (While dial tone is heard)	Default (New)	Additional digits/buttons
1.4.4 Answering Call Waiting Answering Call Waiting in the PBX Answering Call Waiting from the Telephone Company	*50 () *60 ()	
1.4.5 Multiple Party Conversation Adding a Third Party during a Conversation Using the ISDN Service (Three-party Conference [3PTY]—by ISDN)	*62 ()	phone no. + TRANSFER button + 3
1.5.1 Forwarding Calls Forwarding Your Calls (Call Forwarding [FWD])/ 1.7.2 Refusing Incoming Calls (Do Not Disturb [DND]) – Both Calls – Outside Calls – Intercom Calls – To set the timer for "No Answer" and "Busy/No Answer" To set/cancel (Call Forwarding [FWD] for your Incoming Call Distribution Group) – Both Calls – Outside Calls – Intercom Calls	*710 () *711 () *712 () *713 () *714 () *715 () *716 ()	0 (Cancel)/ 1 (Do Not Disturb [DND])/ 2 (All calls) + phone no. + #/ 3 (Busy) + phone no. + #/ 4 (No Answer) + phone no. + #/ 5 (Busy/No Answer) + phone no. + #/ 7 (Follow Me) + your extension no./ 8 (Follow Me Cancel) + your extension no. 00-99 (second) 1 (Set) + ICD Group extension no. + phone no. + #/0 (Cancel) + ICD Group extension no.

Feature (While dial tone is heard)	Default (New)	Additional digits/buttons
Forwarding Your Calls Using ISDN Service (Call Forwarding [CF]—by ISDN) <ul style="list-style-type: none"> – To set – To cancel – To confirm 	*7*5 ()	outside line no. + # + multiple subscriber no. + # + 2 (Unconditional)/3 (Busy)/4 (No Reply) + phone no. + # outside line no. + # + multiple subscriber no. + # + 0 outside line no. + # + multiple subscriber no. + # + 1
1.5.2 Showing a Message on the Caller's Telephone Display (Absent Message) <ul style="list-style-type: none"> – To set – To cancel 	*750 ()	1-9 (+ parameter) + # 0
1.5.3 Preventing Other People from Using Your Telephone (Extension Lock) <ul style="list-style-type: none"> – To lock – To unlock 	*77 ()	1 0 + extension PIN
1.6.1 Paging Group Paging	*33 ()	paging group no. (2 digits)
1.6.2 Answering/Denying a Paging Announcement <ul style="list-style-type: none"> – To answer – To deny – To allow 	*43 () *721 ()	1 0
1.6.3 Making an Announcement and Having a Multiple Party Conversation (Broadcasting) <ul style="list-style-type: none"> – To call and make an announcement 	*32 ()	broadcasting group no. (1 digit)
1.7.1 Setting the Alarm (Timed Reminder) <ul style="list-style-type: none"> – To set – To cancel 	*760 ()	12H: 1 + hour/minute + 0 (AM)/1 (PM) + 0 (once)/1 (daily) 24H: 1 + hour/minute + 0 (once)/1 (daily) 0

4.2 Feature Number Table

Feature (While dial tone is heard)	Default (New)	Additional digits/buttons
1.7.3 Receiving Call Waiting (Call Waiting/ Off-hook Call Announcement [OHCA]/ Whisper OHCA) – For intercom calls (No call/Tone/OHCA/Whisper OHCA) – For outside calls (No tone/Tone)	✕731 () ✕732 ()	0 (No call)/1 (Tone)/2 (OHCA)/3 (Whisper OHCA) 0 (No tone)/1 (Tone)
1.7.4 Displaying Your Telephone Number on the Called Party and Caller's Telephone (Calling/Connected Line Identification Presentation [CLIP/COLP]) – Public – Your extension	✕7✕2 ()	1 2
1.7.5 Preventing Your Telephone Number Being Displayed on the Caller's Telephone (Connected Line Identification Restriction [COLR]) – To show – To prevent	✕7✕0 ()	0 1
1.7.6 Preventing Your Number Being Displayed on the Called Party's Telephone (Calling Line Identification Restriction [CLIR]) – To show – To prevent	✕7✕1 ()	0 1
1.7.7 Preventing Other People from Joining Your Conversation (Executive Busy Override Deny) – To prevent – To allow	✕733 ()	1 0
1.7.8 Turning on the Background Music (BGM) – To set – To cancel	✕751 ()	KX-TDA100/KX-TDA200: BGM no. (1 digit) KX-TDA30: 1 0
1.7.9 Protecting Your Line against Notification Tones (Data Line Security) – To set – To cancel	✕730 ()	1 0

Feature (While dial tone is heard)	Default (New)	Additional digits/buttons
1.7.11 Setting the Paralleled Telephone to Ring (Paralleled Telephone) – Ring – No Ring	*39 ()	1 0
1.7.12 Using Your PS in Parallel with a Wired Telephone (Wireless XDP Parallel Mode) – To set – To cancel	*48 ()	1 + paired wired extension no. 0
1.7.13 Clearing Features Set at Your Extension (Extension Feature Clear)	*790 ()	
1.8.1 Leaving an Incoming Call Distribution Group (Log-in/Log-out, Wrap-up) Log-in Log-out To enter/leave the Not Ready mode	*736 () *735 ()	1 + ICD Group extension no./* 0 + ICD Group extension no./* 1 (Not Ready)/0 (Ready)
*3 1.8.2 Monitoring and Controlling the Call Status of an Incoming Call Distribution Group (Incoming Call Distribution Group Monitor)	*739 ()	ICD Group extension no.
1.9.1 If a Doorphone/Door Opener is Connected Doorphone Call Opening a Door (Door Open)	*31 () *55 ()	doorphone no. (2 digits) doorphone no. (2 digits)
1.9.2 If an External Relay is Connected	*56 ()	relay no. (2 digits)
1.9.4 If a Host PBX is Connected Accessing External Services (External Feature Access [EFA])	*60 ()	service code
1.9.5 If a Voice Processing System is Connected Call Forwarding to Voice Mail (Voice Mail Integration) – Both Calls	*710 ()	0 (Cancel)/

4.2 Feature Number Table

Feature (While dial tone is heard)	Default (New)	Additional digits/buttons
<ul style="list-style-type: none"> – Outside Calls – Intercom Calls 	✕711 () ✕712 ()	2 (All Calls)/ 3 (Busy)/ 4 (No Answer)/ 5 (Busy/No Answer) + voice mail floating extension no. + #
1.10.1 Using the Same Settings as Your Previous Extension (Walking Extension)	✕727 ()	your previous extension no. + extension PIN
2.1.1 Extension Control *1 To lock/unlock other extensions (Remote Extension Lock) <ul style="list-style-type: none"> – To unlock – To lock 	 ✕782 () ✕783 ()	 extension no. extension no.
*2 2.1.2 Time Service Mode Control <ul style="list-style-type: none"> – Day/Night/Lunch/Break 	✕780 ()	0/1/2/3
*1 2.1.4 Turning on the External Background Music (BGM) <ul style="list-style-type: none"> – To play – To stop 	✕35 ()	KX-TDA100/KX-TDA200: external pager no. (1 digit)/✕ + BGM no. (1 digit) KX-TDA30: 11 KX-TDA100/KX-TDA200: external pager no. (1 digit)/✕ + 0 KX-TDA30: 10
*1 2.1.5 Recording Outgoing Messages (OGM) <ul style="list-style-type: none"> – To record – To play back – To record from an external BGM (MOH) port – To clear 	✕36 ()	1 + OGM floating extension no. 2 + OGM floating extension no. KX-TDA100/KX-TDA200: 3 + BGM port no. (1 digit) + OGM floating extension no. KX-TDA30: 31 + OGM floating extension no. 0 + OGM floating extension no.
*1 2.1.6 Allowing Users to Seize an Unavailable Outside Line (Trunk Busy Out)	✕785 ()	outside line no. (3 digits)

Feature (While dial tone is heard)	Default (New)	Additional digits/buttons
2.1.7 Using the Telephones in a Hotel-type Environment (Hospitality Features) *4 Setting a Timed Reminder to a Room Extension (Remote Wake-up Call) – To set – To cancel – To confirm Recording room information using a room extension	*76* () *761 ()	 12H: 1 + extension no. + hour/minute + 0 (AM)/ 1 (PM) + 0 (once)/1 (daily) 24H: 1 + extension no. + hour/minute + 0 (once)/1 (daily) 0 + extension no. 2 + extension no. message no. (+ parameter) + #
*1 2.1.8 Releasing Network Direct Station Selection (NDSS) Monitor	*784 ()	another PBX extension no. + #
3.1.1 Customising Your Phone (Personal Programming) Assigning an Extension PIN to Your Extension (Extension PIN [Personal Identification Number]) – To set – To cancel	*799 ()	1 + extension PIN + # + same extension PIN + # 0 + stored extension PIN

*1 : Manager only

*2 : Manager and preprogrammed extension user only

*3 : Supervisor only

*4 : Hotel operator only

4.2 Feature Number Table

Feature (While busy, DND or call tone is heard)	Default
1.2.4 When the Dialed Line is Busy or There is No Answer	
Sending a Call Waiting Tone (Call Waiting)	1
To an Extension Refusing the Call (DND Override)	
Joining an Existing Call (Executive Busy Override)	3
Leaving a Message Waiting Indication/Calling Back the Caller Who Left an Indication (Message Waiting)	4
Monitoring Another Extension (Call Monitor)	5
Reserving a Busy Line (Automatic Callback Busy)/Setting Callback on an ISDN Line (Completion of Calls to Busy Subscriber [CCBS])	6
1.2.6 Alternating the Calling Method (Alternate Calling—Ring/Voice)	×

Feature (While dialling or talking)	Fixed Number
1.4.5 Multiple Party Conversation	
Adding Other Parties during a Conversation (Conference)	3
1.9.1 If a Doorphone/Door Opener is Connected	
From any extension while talking to the doorphone	5

4.3 What is This Tone?

4.3.1 What is This Tone?

While on-hook

Ring Tones

The following tones are programmable allowing recognition of call type (Outside, Intercom or Doorphone).

Tone 1



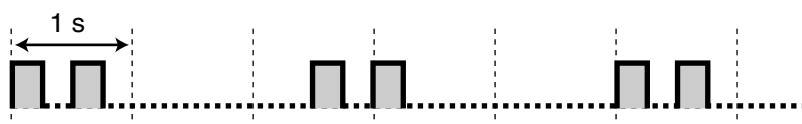
Tone 2



Tone 3



Tone 4

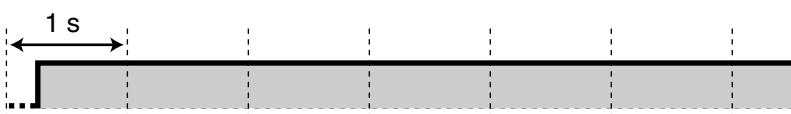


When going off-hook

Dial Tones

Tone 1

Normal

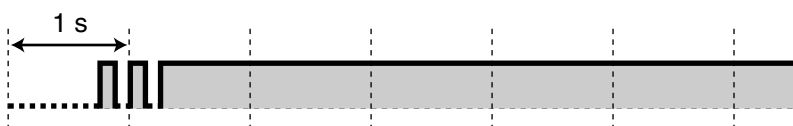


4.3 What is This Tone?

Tone 2

Any one of the following features is set:

- Absent Message
- Background Music
- Call Forwarding
- Call Pickup Deny
- Call Waiting
- Do Not Disturb
- Extension Lock
- Executive Busy Override Deny
- Hot Line
- Timed Reminder



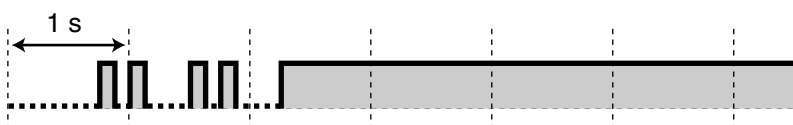
Tone 3

- After pressing TRANSFER or Recall/hookswitch to hold a call temporarily (e.g., Call Splitting)
- While a called PS is being searched
- When Account Code Entry is performed
- When answering a Timed Reminder call with no message
- When answering an external sensor call



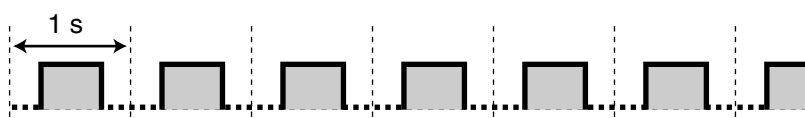
Tone 4

Message waiting indication was received.



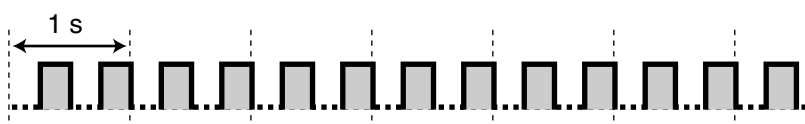
When you make calls

Busy Tone



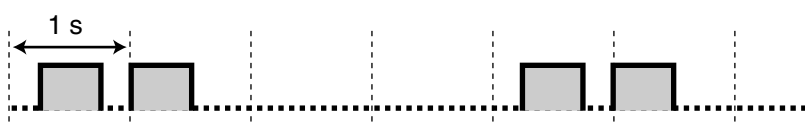
Reorder Tone

The outside line you tried to seize is not assigned or denied.



Ringback Tone 1

Normal ringback tone

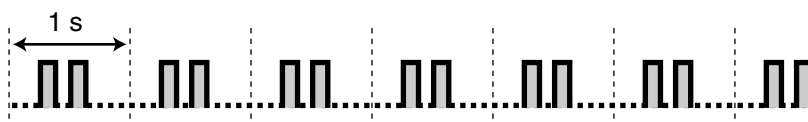


Ringback Tone 2

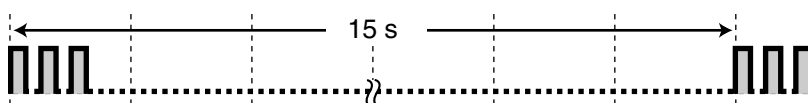
Special ringback tone for DISA call

**Do Not Disturb (DND) Tone**

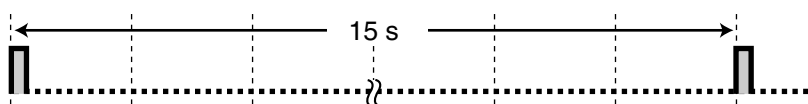
The dialled extension is refusing incoming calls.

**While off-hook****Indication Tones****Tone 1**

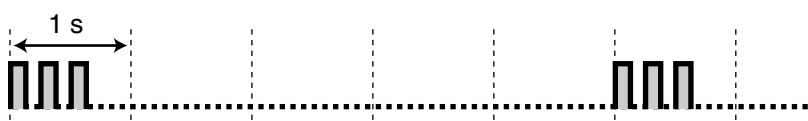
Call waiting tone

**Tone 2**

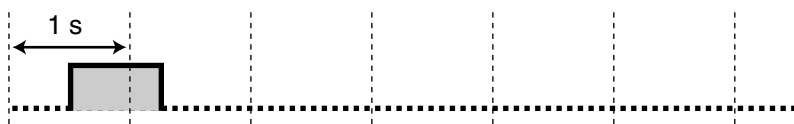
A call is on hold longer than the specified time

**When talking to an outside party****Warning Tone**

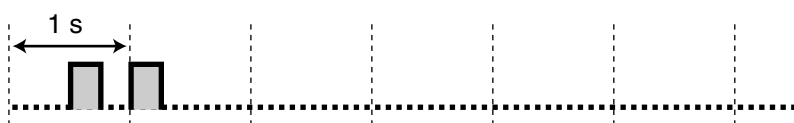
This tone is sent 15, 10 and 5 seconds before the specified time for disconnection.

**When setting the features or programming****Confirmation Tones****Tone 1**

The feature setting was set successfully.

**Tone 2**

Before receiving a page through an external speaker

**Tone 3**

Before the following features activate:

- Retrieving a held call
- Picking up another call
- Paging/Answering a paging announcement
- Answering the call through a speaker



4.3 What is This Tone?

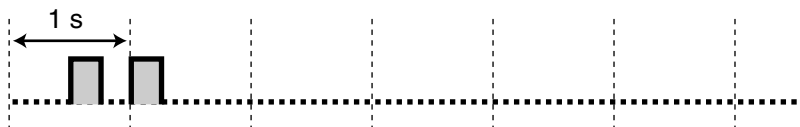
Tone 4

Establishing or leaving a conference



Tone 5

A call has been put on hold.



4.4 Revision History

4.4.1 KX-TDA100/KX-TDA200 Version 1.1

New Contents

- 1.4.5 Multiple Party Conversation
Adding a Third Party during a Conversation Using the ISDN Service (Three-party Conference [3PTY]—by ISDN)
- 1.6.3 Making an Announcement and Having a Multiple Party Conversation (Broadcasting)

Changed Contents

- 1.1.1 Before Operating the Telephones
When You Use a Panasonic Proprietary Telephone
 - FLASH/RECALL
- 1.2.4 When the Dialed Line is Busy or There is No Answer
Leaving a Message Waiting Indication/Calling Back the Caller Who Left an Indication (Message Waiting)
 - To clear message waiting indications left on your extension
- 1.11.1 Using the Call Log
Calling with the Incoming Call Log
Calling with the Outgoing Call Log
- 1.11.2 Using the Directories
Calling with the Directory
Storing Names and Numbers
Entering Characters

4.4.2 KX-TDA100/KX-TDA200 Version 2.0

New Contents

- 1.1.1 Before Operating the Telephones
 - When You Use a Panasonic Proprietary Telephone
 - Network Direct Station Selection (NDSS)
 - CTI
 - Check-in
 - Check-out
- 1.2.1 Basic Calling
 - Making a Call to a Private Network (TIE Line Access)
 - To call with one touch
- 1.9.2 If an External Relay is Connected
- 1.9.3 If an External Sensor is Connected
- 2.1.6 Allowing Users to Seize an Unavailable Outside Line (Trunk Busy Out)
- 2.1.7 Using the Telephones in a Hotel-type Environment (Hospitality Features)
- 2.1.8 Releasing Network Direct Station Selection (NDSS) Monitor

Changed Contents

- 1.2.2 Easy Dialling
 - Using Numbers Stored at Your Extension (Personal Speed Dialling)
 - To store a phone number

4.4.3 KX-TDA30 Version 1.1

New Contents

- 1.4.5 Multiple Party Conversation
 - Adding a Third Party during a Conversation Using the ISDN Service (Three-party Conference [3PTY]—by ISDN)
- 1.6.3 Making an Announcement and Having a Multiple Party Conversation (Broadcasting)

Changed Contents

- 1.11.1 Using the Call Log
 - Calling with the Incoming Call Log
 - Calling with the Outgoing Call Log
- 1.11.2 Using the Directories
 - Calling with the Directory
 - Storing Names and Numbers
 - Entering Characters

4.4.4 KX-TDA30 Version 2.0

New Contents

- 1.1.1 Before Operating the Telephones
 - When You Use a Panasonic Proprietary Telephone
 - Network Direct Station Selection (NDSS)
 - CTI
 - Check-in
 - Check-out
- 1.2.1 Basic Calling
 - Making a Call to a Private Network (TIE Line Access)
 - To call with one touch
- 1.9.2 If an External Relay is Connected
- 1.9.3 If an External Sensor is Connected
- 2.1.6 Allowing Users to Seize an Unavailable Outside Line (Trunk Busy Out)
- 2.1.7 Using the Telephones in a Hotel-type Environment (Hospitality Features)
- 2.1.8 Releasing Network Direct Station Selection (NDSS) Monitor

Changed Contents

- 1.2.2 Easy Dialling
 - Using Numbers Stored at Your Extension (Personal Speed Dialling)
 - To store a phone number

Index

A

Absent Message 87, 165, 195
 Accessing External Services (External Feature Access [EFA]) 122
 Accessing System Features (System Feature Access) 140
 Accessing the ISDN Service (ISDN Service Access) 41
 Account 19, 173
 Account Code Entry 26, 191
 Adding a Third Party during a Conversation Using the ISDN Service (Three-party Conference [3PTY]—by ISDN) 75
 Adding Other Parties during a Conversation (Conference) 69
 After Moving to a New Location in the Office 129
 Allowing Users to Seize an Unavailable Outside Line (Trunk Busy Out) 150
 Alternate Calling—Ring/Voice 42, 200
 Alternate Receiving—Ring/Voice 164
 Alternating the Calling Method (Alternate Calling—Ring/Voice) 42
 Answer 17, 20, 52, 173
 Answering a Call from Another Telephone (Call Pickup) 50
 Answering a Call Ringing at Another Telephone (Call Pickup) 50
 Answering a Call via an External Speaker (Trunk Answer From Any Station [TAFAS]) 51
 Answering Call Waiting 65
 Answering Call Waiting from the Telephone Company 68
 Answering Call Waiting in the PBX 65
 Answering Calls 48
 Answering Hands-free (Hands-free Answerback) 49
 Answering/Denying a Paging Announcement 92
 Appendix 187
 Assigning an Extension PIN to Your Extension (Extension PIN [Personal Identification Number]) 160
 AUTO ANS (Auto Answer)/MUTE 16
 AUTO DIAL/STORE 15
 Automatic Call Hold 61
 Automatic Callback Busy 33, 200
 Automatic Callback Busy Cancel 34, 192
 Automatic Line Access 24, 191
 Automatic Redial 32

B

Background Music (BGM) 105, 167, 196
 Basic Calling 23
 Before Leaving Your Desk 81
 Before Operating the Telephones 12
 Boss & Secretary feature 81
 Broadcasting 93, 195
 Busy Station Signalling (BSS) → Call Waiting 35
 Busy Tone 202

C

Call Forwarding (CF)—by ISDN 85, 195
 Call Forwarding (FWD) 17, 81
 Call Forwarding (FWD)/Do Not Disturb (DND)—Both calls 19, 172
 Call Forwarding [FWD] for your Incoming Call Distribution Group 83
 Call Forwarding to Voice Mail (Voice Mail Integration) 123
 Call Hold 59, 193
 Call Hold Retrieve 60, 193
 Call Log 19, 173
 Call Log for ICD Group 19, 173
 Call Monitor 40, 200

Call Park 19, 61, 173, 193
 Call Park (Automatic Park Zone) 19, 61, 173, 193
 Call Park Retrieve 62
 Call Pickup 50
 Call Pickup Deny 50, 193
 Call Splitting 63
 Call Transfer 55
 Call Transfer (CT)—by ISDN 57, 193
 Call Waiting 35, 65, 100, 196
 Call Waiting from the Telephone Company 194
 Call Waiting in the PBX 194
 Call Waiting Selection 165
 Call Waiting Tone 200
 Call Waiting Tone Type Selection 165
 Calling an Outside Party 24
 Calling Another Extension 23
 Calling Line Identification Restriction (CLIR) 20, 103, 163, 174, 196
 Calling through DISA 44
 Calling with the Incoming Call Log 130
 Calling with the Outgoing Call Log 132
 Calling without Restrictions 43
 Calling/Connected Line Identification Presentation (CLIP/COLP) 101, 163, 196
 CANCEL 18
 CCBS Cancel 35, 192
 Changing Call Charges and Extension Control 178
 Changing the Settings of Other Extensions 142
 Charge Reference 19, 173
 Check-in 20, 151, 174
 Checking the Time Service Status 107
 Check-out 20, 152, 174
 Clearing Features 170
 Clearing Features Set at Your Extension (Extension Feature Clear) 110
 CO 15
 Completion of Calls to Busy Subscriber (CCBS) 34, 200
 Conference 17, 19, 69, 173
 Confirmation Tones 203
 Connected Line Identification Restriction (COLR) 20, 102, 174, 196
 Connection Example 22
 Control Features 142
 CTI 20, 174
 Customised Buttons 18
 Customising the Buttons 172
 Customising Your Phone & System 159
 Customising Your Phone (Personal Programming) 160
 Customising Your System (System Programming) 180

D

Data Line Security 106, 196
 Date & Time [000] 183
 Denying Other People the Possibility of Picking Up Your Calls (Call Pickup Deny) 50
 Dial Tone Transfer 145
 Dial Tones 201
 Direct Inward System Access (DISA) 44
 Direct Station Selection (DSS) 19, 172
 Directory and Call Log Lock 167
 Display 13
 Display Backlight Selection 163

Display Language Selection 163
 Display Switching Mode 163
 Displaying Your Telephone Number on the Called Party and Caller's Telephone (Calling/Connected Line Identification Presentation [CLIP/COLP]) 101
 DND Override 40, 200
 Do Not Disturb (DND) 17, 98, 194
 Do Not Disturb (DND) Tone 203
 Door Open 119, 197
 Doorphone Call 118, 197
 During a Conversation 55

E

Easy Dialling 28
 Electronic Station Lockout → Extension Lock 89, 167, 195
 ENTER 18
 Entering Characters 135
 Examples 14
 Exclusive Call Hold 59
 Executive Busy Override 39, 200
 Executive Busy Override Deny 104, 166, 196
 Extension Control 142
 Extension Feature Clear 110, 197
 Extension Lock 167, 195
 Extension Name [004] 186
 Extension Number [003] 185
 Extension PIN (Personal Identification Number) 160, 167, 199
 External Background Music (BGM) 146, 198
 External Feature Access (EFA) 19, 122, 173, 197

F

Feature Highlights 2
 Feature Number Table 191
 Feature Numbers 12
 Fixed Buttons 15
 FLASH/RECALL 17
 Forced Answerback Selection 165
 Forwarding a Waiting Call (Manual Queue Redirection) 117
 Forwarding Calls 81
 Forwarding Your Calls (Call Forwarding [FWD]) 81
 Forwarding Your Calls Using ISDN Service (Call Forwarding [CF]—by ISDN) 85
 FWD N/A Timer 166
 FWD/DND Cycle Switch Mode 84, 98
 FWD/DND Setting Mode 84, 98
 FWD/DND—Intercom calls 19, 172
 FWD/DND—Outside calls 19, 172

G

Group FWD—Both calls 19, 173
 Group FWD—Intercom calls 19, 173
 Group FWD—Outside calls 19, 173
 Group Paging 90, 195
 Group-CO (G-CO) 18, 172

H

Handset/Headset Selection → Headset Operation 79, 166
 Hands-free Answerback 49

Hands-free operation 78
 Headset 20, 174
 Headset Operation 79, 166
 HOLD 16
 Holding 59
 Holding a Call 59
 Holding in a System Parking Zone (Call Park) 61
 Hot Line 30, 191
 How to Follow the Steps 21
 Hurry-up 19, 173
 Hurry-up Transfer → Manual Queue Redirection 117

I

Icon Descriptions 14, 181
 Identifying Malicious Calling Parties (Malicious Call Identification [MCID]) 54
 If a Doorphone/Door Opener is Connected 118
 If a Host PBX is Connected 122
 If a Voice Processing System is Connected 123
 If an External Relay is Connected 120
 If an External Sensor is Connected 121
 Incoming Call Distribution Group (ICD Group) 19, 172
 Incoming Call Distribution Group Monitor 114, 197
 Incoming Call Log 130
 Indication Tones 203
 INTERCOM 16
 Intercom Call 23
 ISDN Service 20, 174
 ISDN Service Access 41
 ISDN-Hold 20, 174

J

Jog Dial 18
 Joining an Existing Call (Executive Busy Override) 39

K

Key Pad Tone Set 166
 KX-TDA100/KX-TDA200 Version 1.1 205
 KX-TDA100/KX-TDA200 Version 2.0 206
 KX-TDA30 Version 1.1 207
 KX-TDA30 Version 2.0 208

L

Last Number Redial 32, 191
 LCS Mode Set (After Answering) 165
 Leaving a Conference (Leaving Three-party Conference) 73
 Leaving a Conference (Unattended Conference) 72
 Leaving a Message Waiting Indication/Calling Back the Caller Who Left an Indication (Message Waiting) 36
 Leaving an Incoming Call Distribution Group (Log-in/Log-out, Wrap-up) 111
 Leaving Three-party Conference 73
 Letting a Third Party Join Your Call (Privacy Release) 74
 Letting Other People Listen to the Conversation (Off-hook Monitor) 78
 Live Call Screening 20, 125, 174
 Live Call Screening Mode Set 165
 Log-in/Log-out 19, 111, 173, 197
 Log-in/Log-out for all groups 19, 173

Index

Log-in/Log-out of a specified group 19, 173
Loop-CO (L-CO) 18, 172

M

Making a Call to a Private Network (TIE Line Access) 25
Making an Announcement and Having a Multiple Party Conversation (Broadcasting) 93
Making Calls 23
Making/Answering an Announcement 90
Malicious Call Identification (MCID) 54, 193
Manager Operation 141
Manager Password 177
Manager Programming 177, 178
Manual Queue Redirection 117
Message 15, 19, 172
Message for another extension 19, 172
Message Waiting 36, 192, 200
MODE 18
MONITOR 16
Monitoring and Changing the Log-in/Log-out Status of Extensions 115
Monitoring and Controlling the Call Status of an Incoming Call Distribution Group (Incoming Call Distribution Group Monitor) 114
Monitoring Another Extension (Call Monitor) 40
Monitoring the Status of Waiting Calls 114
Multiple Party Conversation 69
Mute 77

N

Navigator Key 18
Network Direct Station Selection (NDSS) 20, 174

O

Off-hook Call Announcement (OHCA) 100
Off-hook Monitor 78
One-touch Dialling 19, 28, 172
One-touch Dialling Assignment Mode Selection 167
One-touch Transfer 56
One-touch Two-way Transfer 20, 127, 174
Opening a Door (Door Open) 119
Operation 11
Operator Call 24, 191
Outgoing Call Log 132
Outgoing Messages (OGM) 147, 198
Outside Line Group Access 24, 191

P

Paging 90
Paging and then Transferring a Call 90
Paging Deny 92, 166
Paralleled Telephone 108, 164, 197
PAUSE 15
Personal Absent Message 165
Personal Programming 160
Personal Speed Dialling 28, 191
Pickup Dialling → Hot Line 30, 191
Predialling 25
Preferred Line Assignment—Incoming 164
Preferred Line Assignment—Outgoing 164

Preventing Other People from Joining Your Conversation (Executive Busy Override Deny) 104
Preventing Other People from Using Your Telephone (Extension Lock) 89
Preventing Your Number Being Displayed on the Called Party's Telephone (Calling Line Identification Restriction [CLIR]) 103
Preventing Your Telephone Number Being Displayed on the Caller's Telephone (Connected Line Identification Restriction [COLR]) 102
Privacy Release 74
PROGRAM 17
Programmable Feature (PF) 18
Programming Information 177, 180
Protecting Your Line against Notification Tones (Data Line Security) 106

Q

Quick Dialling 31

R

Receiving Call Waiting (Call Waiting/Off-hook Call Announcement [OHCA]/Whisper OHCA) 100
Receiving Calls 48
Recording a Conversation 127
Recording Outgoing Messages (OGM) 147
Recording room information using a room extension 156
Redial 15, 32
Redialling the Last Number You Dialed (Last Number Redial) 32
Refusing Incoming Calls (Do Not Disturb [DND]) 98
Registration for Your Portable Station (PS) 12
Release 18, 20, 52, 174
Releasing Network Direct Station Selection (NDSS) Monitor 157
Remote COS Access 43, 192
Remote Extension Lock 142, 198
Remote Setting 47, 192
Remote Station Lock Control → Remote Extension Lock 142, 198
Reorder Tone 202
Required Telephone 177, 180
Reserving a Busy Line (Automatic Callback Busy) 33
Restriction Level Control (Dial Tone Transfer) 145
Restrictions 14
Revision History 205
Ring Tones 201

S

Safety Instructions 4
Screening Calls (Live Call Screening [LCS]) 125
SELECT 18
Sending a Call Waiting Tone (Call Waiting) 35
Setting a Timed Reminder to a Room Extension (Remote Wake-up Call) 155
Setting Callback on an ISDN Line (Completion of Calls to Busy Subscriber [CCBS]) 34
Setting Features 162
Setting the Alarm (Timed Reminder) 96
Setting the Paralleled Telephone to Ring (Paralleled Telephone) 108
Setting the Telephone According to Your Needs 96
Setting Your Telephone from Another Extension or through DISA (Remote Setting) 47
Settings on the Programming Mode 162
SHIFT 18

Showing a Message on the Caller's Telephone Display (Absent Message) 87
 Single-CO (S-CO) 19, 172
 Soft Buttons 16
 SP-PHONE 15
 Station Programme Clear —> Extension Feature Clear 110, 197
 Station Speed Dialling —> Personal Speed Dialling 28, 191
 Storing Names and Numbers 134
 System Alarm 19, 173
 System Feature Access 140
 System Password 180
 System Programming 180, 183
 System Speed Dialling 29, 191
 System Speed Dialling Name [002] 185
 System Speed Dialling Number [001] 184

T

Talking to Two Parties Alternately (Call Splitting) 63
 Terminate 19, 173
 Three-party Conference [3PTY]—by ISDN 75, 194
 TIE Line Access 25, 191
 Time Service (Day/Night/Lunch/Break) 19, 107, 143, 173, 198
 Time Service Mode Control 143
 Time Service Switching Mode (Automatic/Manual) 20, 143, 174
 Timed Reminder 96, 195
 To Access Another Party Directly from Outside (Direct Inward System Access [DISA]) 44
 To answer a sensor call 121
 To select the time service switching mode (Automatic/Manual) 143
 To store the caller's information in personal speed dialling 131, 133
 To switch on the relay 120
 Toll Restriction/Call Barring 20, 174
 Tone 13
 TRANSFER 16
 Transferring a Call (Call Transfer) 55
 Transferring a Call Using the ISDN Service (Call Transfer [CT]—by ISDN) 57
 Transferring to an Extension on the PBX 55
 Transferring to an Outside Party Using the PBX Service 56
 Troubleshooting 188
 Trunk Answer From Any Station (TAFAS) 51, 193
 Turning on the Background Music (BGM) 105
 Turning on the External Background Music (BGM) 146
 Two-way Record 20, 127, 174
 Two-way Transfer 20, 127, 174

U

Unattended Conference 72
 Using a Display Proprietary Telephone 130
 Using a Navigator Key/Jog Dial/Volume Key 13
 Using a Preprogrammed Number (Quick Dialling) 31
 Using an Account Code (Account Code Entry) 26
 Using Numbers Stored at Your Extension (Personal Speed Dialling) 28
 Using Numbers Stored in the PBX (System Speed Dialling) 29
 Using the ANSWER/RELEASE Button 52
 Using the Directories 134
 Using the Headset (Headset Operation) 79
 Using the Same Settings as Your Previous Extension (Walking Extension) 129

Using the Telephones in a Hotel-type Environment (Hospitality Features) 151
 Using User-supplied Equipment 118
 Using Your Calling Privileges at Another Extension (Remote COS Access) 43
 Using Your PS in Parallel with a Wired Telephone (Wireless XDP Parallel Mode) 109
 Utilising the Call Centre 111

V

Verified Code Entry 43, 192
 VOICE CALL/MUTE 17
 Voice Mail Integration 123, 197
 Voice Mail Transfer 20, 123, 174
 Volume Key 18

W

Walking COS 43
 Walking Extension 129, 198
 Walking Station —> Walking Extension 129, 198
 Warning Tone 203
 What is This Tone? 201
 What Kind of Telephone Can Be Used? 12
 When the Dialed Line is Busy or There is No Answer 33
 When You Use a Panasonic Proprietary Telephone 15
 Whisper OHCA 100
 Wireless XDP Parallel Mode 109, 197
 With a One-touch Button (One-touch Dialling) 28
 Wrap-up 19, 111, 173

Y

Your Extension Number 13

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